

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Silensor - parts**

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CAS No.: --
EG No.: --
INDEX No.: --
REACH No.: --**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses: Plastic articles
Uses advised against: Other**1.3. Details of the supplier of the safety data sheet****Manufacturer**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

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D 72285 Pfalzgrafenweiler**Supplier (manufacturer/importer/only representative/downstream user/distributor)**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

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D 72285 Pfalzgrafenweiler**Information contact**

ERKODENT Erich Kopp GmbH

Information telephone: +49 7445 8501 21

Information telefax: --

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

1.4. Emergency telephone numberERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: +49 7445 8501 0

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008: - No dangerous material! (!)

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements: -

Hazardous component(s) for labelling
none

Special labelling of particular preparations:
none

2.3. Other hazards

On basis of test data. This substance is classified as not hazardous according to 67/548/EEC.

SECTION 3: Composition / information on ingredients

3.1. Substances

Polymere

3.2. Mixtures

PA

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
Polyamide		163800-67-7			95 - 100%	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures are necessary.

Following inhalation: Do not breathe dust. Dust should be exhausted directly at the point of origin. Inhalation of dust may cause irritation of the respiratory system.

Following skin contact: No special measures are necessary. After contact with molten product, cool skin area rapidly with cold water. Immerse in cold water for a prolonged period. Burns caused by molten material must be treated clinically. Irritating to skin. slightly irritant

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist. Irritating to eyes. Dust protection goggles.

After ingestion: No special measures are necessary.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguishing powder. Carbon dioxide. alcohol resistant foam. Water spray.

Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Sulphur dioxide (SO₂). Formaldehyde.

5.3. Advice for firefighters

General information

Use water spray jet to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid generation of dust. Dust must be exhausted directly at the point of origin.

Precautions against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight.

Storage class: 11

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
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Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
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DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL
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PNEC Value

Substance:	CAS-No.:	PNEC
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Remark:

none

8.2. Exposure controls

Occupational exposure controls

none

General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Dust protection goggles.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Technical ventilation of workplace.

Hand protection

See chapter 7. No additional measures necessary.

Eye/face protection

Dust protection goggles.

Body protection

Body protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: solid

Colour: various
Odour: characteristically
Odour threshold: No data available

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				not applicable
Melting point/freezing point:	Vicat	134	°C	
Initial boiling point and boiling range:				not determined
Flash point:			°C	not determined
Evaporation rate:				not applicable
Flammability (solid, gas):				not determined
Explosive properties:				not explosive.
Lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Vapour pressure:				not applicable
Vapour density:				not applicable
Relative density:				not determined
Density:		1,14	g/cm ³	
Solubility(ies):	:			not determined
Water solubility:				practically insoluble
Fat solubility:				not determined
Partition coefficient: n-octanol/water:				not determined
Auto-ignition temperature:			°C	not determined
Decomposition temperature:			°C	not determined
Viscosity:				not applicable
Oxidising properties:				not determined
Solvent content:				not applicable

9.2. Other information

Observe technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Reacts with : Solvents/Thinner Etchant and acids

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

UV-radiation/sunlight.

10.5. Incompatible materials

Acids Base Oxidizing agents.

10.6. Hazardous decomposition products

Hydrocarbons. Carbon dioxide (CO₂) Carbon monoxide. aldehydes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Medical device product

Cytotoxtest: no abnormality detected

M-factor: --

Acute toxicity (oral): --

Acute toxicity (dermal): --

Acute toxicity (inhalative): --

Acute toxicity

Substance:	CAS-No.:	Toxicological information
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Skin corrosion/irritation

In the case of the formation of dust.

Serious eye damage/irritation

Irritating to eyes. In the case of the formation of dust.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

Toxicological data are not available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

Inhalation of dust may cause irritation of the respiratory system.

SECTION 12: Ecological information

12.1. Toxicity

none

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
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12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

List of proposed waste codes/waste designations in accordance with EWC

Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: --

Waste code packaging: --

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

ADR / RID

--

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IMDG / ICAO-TI / IATA-DGR

--

--

14.3. Transport hazard class(es)

Hazard label(s): --

Classification Code:

--

14.4. Packing group

Packing Group: --

14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: ☐ yes / ☒ no

Marine Pollutant: ☐ yes / ☒ no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: --

Special provisions: --

Tunnel restriction code: --

Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:

No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance: --

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

Training advice

none

Recommended restrictions of use

none

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

none

Abbreviations and acronyms

AC: Artikelkategorie (Article Category)
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Arbeitsplatzgrenzwert
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw: Körpergewicht (Body weight)
CMR: Stoffe klassifiziert als Krebszeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)
CSR: Stoffsicherheitsbericht (Chemical Safety Report)
DIN: Deutsches Institut für Normung / Deutsche Industrienorm
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU: Nachgeschalteter Anwender (Downstream User)
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)
IBC: Großpackmittel (Intermediate Bulk Container)
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)
ISO: Internationale Normungsorganisation (International Standards Organisation)
LC50: Lethale (Tödliche) Konzentration 50%
LD50: Lethale (Tödliche) Dosis 50%
LEV: Lokale Absaugung (Local exhaust ventilation)
MAK: Maximale Arbeitsplatzkonzentration – DFG
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Grenzwert für Kurzzeiteexposition (Short-term Exposure Limit)
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Erkodur**

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CAS No.: --
EG No.: --
INDEX No.: --
REACH No.: --**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses: Plastic articles
Uses advised against: Other**1.3. Details of the supplier of the safety data sheet****Manufacturer**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

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D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

Supplier (manufacturer/importer/only representative/downstream user/distributor)ERKODENT Erich Kopp GmbH
Siemensstrasse 3

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D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

Information contact

ERKODENT Erich Kopp GmbH

Information telephone: +49 7445 8501 21

Information telefax: --

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

1.4. Emergency telephone numberERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: +49 7445 8501 0

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008: - No dangerous material! (!)

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements: -

Hazardous component(s) for labelling
none

Special labelling of particular preparations:
none

2.3. Other hazards

On basis of test data. This substance is classified as not hazardous according to 67/548/EEC.

SECTION 3: Composition / information on ingredients

3.1. Substances

Polymere

3.2. Mixtures

PET-G

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
Polyethylenterephthalat PET-G	--	25640-14-6	--		95 - 100%	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures are necessary.

Following inhalation: Do not breathe dust. Dust should be exhausted directly at the point of origin. Inhalation of dust may cause irritation of the respiratory system.

Following skin contact: No special measures are necessary. After contact with molten product, cool skin area rapidly with cold water. Immerse in cold water for a prolonged period. Burns caused by molten material must be treated clinically. Irritating to skin. slightly irritant

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist. Irritating to eyes. Dust protection goggles.

After ingestion: No special measures are necessary.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguishing powder. Carbon dioxide. alcohol resistant foam. Water spray.

Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Sulphur dioxide (SO₂). Formaldehyde.

5.3. Advice for firefighters

General information

Use water spray jet to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid generation of dust. Dust must be exhausted directly at the point of origin.

Precautions against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight.

Storage class: 11

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
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Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
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DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL
------------	----------	-----------

PNEC Value

Substance:	CAS-No.:	PNEC
------------	----------	------

Remark:

none

8.2. Exposure controls

Occupational exposure controls

none

General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Dust protection goggles.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Technical ventilation of workplace.

Hand protection

See chapter 7. No additional measures necessary.

Eye/face protection

Dust protection goggles.

Body protection

Body protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: solid

Colour: various
Odour: characteristically
Odour threshold: No data available

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				not applicable
Melting point/freezing point:	Vicat	80	°C	
Initial boiling point and boiling range:				not determined
Flash point:		>250	°C	
Evaporation rate:				not applicable
Flammability (solid, gas):				not determined
Explosive properties:				not explosive.
Lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Vapour pressure:				not applicable
Vapour density:				not applicable
Relative density:				not determined
Density:		1,27	g/cm ³	
Solubility(ies):	:			not determined
Water solubility:				practically insoluble
Fat solubility:				not determined
Partition coefficient: n-octanol/water:				not determined
Auto-ignition temperature:		400	°C	
Decomposition temperature:		> 280	°C	
Viscosity:				not applicable
Oxidising properties:				not determined
Solvent content:				not applicable

9.2. Other information

Observe technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Reacts with : Solvents/Thinner Etchant and acids

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

UV-radiation/sunlight.

10.5. Incompatible materials

Acid Base Oxidizing agent

10.6. Hazardous decomposition products

Hydrocarbons. Carbon dioxide (CO₂) Carbon monoxide. aldehydes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Medical device product

Cytotoxtest: no abnormality detected

M-factor: --

Acute toxicity (dermal): --

Acute toxicity (oral): --

Acute toxicity (inhalative): --

Acute toxicity

Substance:	CAS-No.:	Toxicological information
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Skin corrosion/irritation

In the case of the formation of dust.

Serious eye damage/irritation

Irritating to eyes. In the case of the formation of dust.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

Toxicological data are not available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

Inhalation of dust may cause irritation of the respiratory system.

SECTION 12: Ecological information

12.1. Toxicity

none

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
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12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

List of proposed waste codes/waste designations in accordance with EWC

Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: --

Waste code packaging: --

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

ADR / RID

--

--

IMDG / ICAO-TI / IATA-DGR

--

--

14.3. Transport hazard class(es)

Hazard label(s): --

Classification Code:

--

14.4. Packing group

Packing Group: --

14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: ☐ yes / ☒ no

Marine Pollutant: ☐ yes / ☒ no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: --

Special provisions: --

Tunnel restriction code: --

Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:

No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance: --

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

Training advice

none

Recommended restrictions of use

none

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

none

Abbreviations and acronyms

AC: Artikelkategorie (Article Category)
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Arbeitsplatzgrenzwert
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw: Körpergewicht (Body weight)
CMR: Stoffe klassifiziert als Krebszeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)
CSR: Stoffsicherheitsbericht (Chemical Safety Report)
DIN: Deutsches Institut für Normung / Deutsche Industrienorm
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU: Nachgeschalteter Anwender (Downstream User)
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)
EN: Europäische Norm
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)
IBC: Großpackmittel (Intermediate Bulk Container)
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)
ISO: Internationale Normungsorganisation (International Standards Organisation)
LC50: Lethale (Tödliche) Konzentration 50%
LD50: Lethale (Tödliche) Dosis 50%
LEV: Lokale Absaugung (Local exhaust ventilation)
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Grenzwert für Kurzzeiteexposition (Short-term Exposure Limit)
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Erkoloc-pro**

--

CAS No.: --
EG No.: --
INDEX No.: --
REACH No.: --**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses: Plastic articles
Uses advised against: Other**1.3. Details of the supplier of the safety data sheet****Manufacturer**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

--

D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

Supplier (manufacturer/importer/only representative/downstream user/distributor)ERKODENT Erich Kopp GmbH
Siemensstrasse 3

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D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

Information contact

ERKODENT Erich Kopp GmbH

Information telephone: +49 7445 8501 21

Information telefax: --

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

1.4. Emergency telephone numberERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: +49 7445 8501 0

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008: - No dangerous material! (!)

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements: -

Hazardous component(s) for labelling
none

Special labelling of particular preparations:
none

2.3. Other hazards

On basis of test data. This substance is classified as not hazardous according to 67/548/EEC.

SECTION 3: Composition / information on ingredients

3.1. Substances

Polymere

3.2. Mixtures

PET-G / TPU

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
Polyethylenterephthalat at PET-G	--	25640-14-6	--		50 - 80%	-
Thermoplastic Polyurethan TPU	--	9018-04-6	--		20 - 50%	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures are necessary.

Following inhalation: Do not breathe dust. Dust should be exhausted directly at the point of origin. Inhalation of dust may cause irritation of the respiratory system.

Following skin contact: No special measures are necessary. After contact with molten product, cool skin area rapidly with cold water. Immerse in cold water for a prolonged period. Burns caused by molten material must be treated clinically. Irritating to skin. slightly irritant

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist. Irritating to eyes. Dust protection goggles.

After ingestion: No special measures are necessary.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguishing powder. Carbon dioxide. alcohol resistant foam. Water spray.
Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Sulphur dioxide (SO₂). Formaldehyde.

5.3. Advice for firefighters

General information

Use water spray jet to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid generation of dust. Dust must be exhausted directly at the point of origin.

Precautions against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight.

Storage class: 11

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL
------------	----------	-----------

PNEC Value

Substance:	CAS-No.:	PNEC
------------	----------	------

Remark:

none

8.2. Exposure controls

Occupational exposure controls

none

General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Dust protection goggles.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Technical ventilation of workplace.

Hand protection

See chapter 7. No additional measures necessary.

Eye/face protection

Dust protection goggles.

Body protection

Body protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:
Physical state: solid
Colour: various
Odour: characteristically
Odour threshold: No data available

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				not applicable
Melting point/freezing point:	Vicat	80	°C	
Initial boiling point and boiling range:				not determined
Flash point:			°C	not determined
Evaporation rate:				not applicable
Flammability (solid, gas):				not determined
Explosive properties:				not explosive.
Lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Vapour pressure:				not applicable
Vapour density:				not applicable
Relative density:				not determined
Density:		1,12 - 1,27	g/cm ³	
Solubility(ies):	:			not determined
Water solubility:				practically insoluble
Fat solubility:				not determined
Partition coefficient: n-octanol/water:				not determined
Auto-ignition temperature:			°C	not determined
Decomposition temperature:			°C	not determined
Viscosity:				not applicable
Oxidising properties:				not determined
Solvent content:				not applicable

9.2. Other information

Observe technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Reacts with : Solvents/Thinner Etchant and acids

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

UV-radiation/sunlight.

10.5. Incompatible materials

Acids Base Oxidizing agents.

10.6. Hazardous decomposition products

Hydrocarbons. Carbon dioxide (CO₂) Carbon monoxide. aldehydes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Medical device product

Cytotoxtest: no abnormality detected

M-factor: --

Acute toxicity (oral): --

Acute toxicity (dermal): --

Acute toxicity (inhalative): --

Acute toxicity

Substance:	CAS-No.:	Toxicological information
------------	----------	---------------------------

Skin corrosion/irritation

In the case of the formation of dust.

Serious eye damage/irritation

Irritating to eyes. In the case of the formation of dust.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

Toxicological data are not available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

Inhalation of dust may cause irritation of the respiratory system.

SECTION 12: Ecological information

12.1. Toxicity

none

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
------------	----------	-------------

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

List of proposed waste codes/waste designations in accordance with EWC

Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: --

Waste code packaging: --

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

ADR / RID

--

--

IMDG / ICAO-TI / IATA-DGR

--

--

14.3. Transport hazard class(es)

Hazard label(s):: --

Classification Code:

--

14.4. Packing group

Packing Group: --

14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR:

☐ yes / ☒ no

Marine Pollutant:

☐ yes / ☒ no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: --
Special provisions: --

Tunnel restriction code: --
Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:

No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance: --

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

Training advice

none

Recommended restrictions of use

none

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

none

Abbreviations and acronyms

AC: Artikelkategorie (Article Category)
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Arbeitsplatzgrenzwert
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw: Körpergewicht (Body weight)
CMR: Stoffe klassifiziert als Krebserzeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)
CSR: Stoffsicherheitsbericht (Chemical Safety Report)
DIN: Deutsches Institut für Normung / Deutsche Industrienorm
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU: Nachgeschalteter Anwender (Downstream User)
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)
IBC: Großpackmittel (Intermediate Bulk Container)
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)
ISO: Internationale Normungsorganisation (International Standards Organisation)
LC50: Lethale (Tödliche) Konzentration 50%
LD50: Lethale (Tödliche) Dosis 50%
LEV: Lokale Absaugung (Local exhaust ventilation)
MAK: Maximale Arbeitsplatzkonzentration – DFG
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Grenzwert für Kurzzeitexposition (Short-term Exposure Limit)
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Erkolen**

--

CAS No.: --
EG No.: --
INDEX No.: --
REACH No.: --**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses: Plastic articles
Uses advised against: Other**1.3. Details of the supplier of the safety data sheet****Manufacturer**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

--

D 72285 Pfalzgrafenweiler

Supplier (manufacturer/importer/only representative/downstream user/distributor)ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

--

D 72285 Pfalzgrafenweiler

Information contact

ERKODENT Erich Kopp GmbH

Information telephone: +49 7445 8501 21

Information telefax: --

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

1.4. Emergency telephone numberERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: +49 7445 8501 0

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008: - No dangerous material! (!)

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements: -

Hazardous component(s) for labelling

xxx

Special labelling of particular preparations:

none

2.3. Other hazards

On basis of test data. This substance is classified as not hazardous according to 67/548/EEC.

SECTION 3: Composition / information on ingredients

3.1. Substances

Polymere

3.2. Mixtures

PE

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
Polyethylen PE	--	9002-88-4	--		95 - 100%	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures are necessary.

Following inhalation: Do not breathe dust. Dust should be exhausted directly at the point of origin. Inhalation of dust may cause irritation of the respiratory system.

Following skin contact: No special measures are necessary. After contact with molten product, cool skin area rapidly with cold water. Immerse in cold water for a prolonged period. Burns caused by molten material must be treated clinically. Irritating to skin. slightly irritant

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist. Irritating to eyes. Dust protection goggles.

After ingestion: No special measures are necessary.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguishing powder. Carbon dioxide. alcohol resistant foam. Water spray.

Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Sulphur dioxide (SO₂). Formaldehyde.

5.3. Advice for firefighters

General information

Use water spray jet to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid generation of dust. Dust must be exhausted directly at the point of origin.

Precautions against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight.

Storage class: 11

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL
------------	----------	-----------

PNEC Value

Substance:	CAS-No.:	PNEC
------------	----------	------

Remark:

none

8.2. Exposure controls

Occupational exposure controls

none

General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Dust protection goggles.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Technical ventilation of workplace.

Hand protection

See chapter 7. No additional measures necessary.

Eye/face protection

Dust protection goggles.

Body protection

Body protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: solid

Colour: translucent
Odour: characteristically
Odour threshold: No data available

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				not applicable
Melting point/freezing point:	Vicat	94	°C	
Initial boiling point and boiling range:				not determined
Flash point:			°C	not determined
Evaporation rate:				not applicable
Flammability (solid, gas):				not determined
Explosive properties:				not explosive.
Lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Vapour pressure:				not applicable
Vapour density:				not applicable
Relative density:				not determined
Density:		0,92	g/cm ³	
Solubility(ies):	:			not determined
Water solubility:				practically insoluble
Fat solubility:				not determined
Partition coefficient: n-octanol/water:				not determined
Auto-ignition temperature:			°C	not determined
Decomposition temperature:			°C	not determined
Viscosity:				not applicable
Oxidising properties:				not determined
Solvent content:				not applicable

9.2. Other information

Observe technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Reacts with : Solvents/Thinner Etchant and acids

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

UV-radiation/sunlight.

10.5. Incompatible materials

Acids Base Oxidizing agents.

10.6. Hazardous decomposition products

Hydrocarbons. Carbon dioxide (CO₂) Carbon monoxide. aldehydes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Medical device product

Cytotoxtest: no abnormality detected

M-factor: --

Acute toxicity (oral): --

Acute toxicity (dermal): --

Acute toxicity (inhalative): --

Acute toxicity

Substance:	CAS-No.:	Toxicological information
------------	----------	---------------------------

Skin corrosion/irritation

In the case of the formation of dust.

Serious eye damage/irritation

Irritating to eyes. In the case of the formation of dust.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

Toxicological data are not available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

Inhalation of dust may cause irritation of the respiratory system.

SECTION 12: Ecological information

12.1. Toxicity

none

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
------------	----------	-------------

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

List of proposed waste codes/waste designations in accordance with EWC

Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: --

Waste code packaging: --

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

ADR / RID

--

--

IMDG / ICAO-TI / IATA-DGR

--

--

14.3. Transport hazard class(es)

Hazard label(s): --

Classification Code:

--

14.4. Packing group

Packing Group: --

14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: ☐ yes / ☒ no

Marine Pollutant: ☐ yes / ☒ no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: --

Special provisions: --

Tunnel restriction code: --

Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:

No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance: --

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

Training advice

none

Recommended restrictions of use

none

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

none

Abbreviations and acronyms

AC: Artikelkategorie (Article Category)
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Arbeitsplatzgrenzwert
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw: Körpergewicht (Body weight)
CMR: Stoffe klassifiziert als Krebszeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)
CSR: Stoffsicherheitsbericht (Chemical Safety Report)
DIN: Deutsches Institut für Normung / Deutsche Industrienorm
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU: Nachgeschalteter Anwender (Downstream User)
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)
IBC: Großpackmittel (Intermediate Bulk Container)
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)
ISO: Internationale Normungsorganisation (International Standards Organisation)
LC50: Lethale (Tödliche) Konzentration 50%
LD50: Lethale (Tödliche) Dosis 50%
LEV: Lokale Absaugung (Local exhaust ventilation)
MAK: Maximale Arbeitsplatzkonzentration – DFG
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Grenzwert für Kurzzeiteexposition (Short-term Exposure Limit)
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Erkogum**

--

CAS No.: --
EG No.: --
INDEX No.: --
REACH No.: --**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses: Blocking out material
Uses advised against: Other**1.3. Details of the supplier of the safety data sheet****Manufacturer**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0

Telefax: 07445 2092

--

D 72285 Pfalzgrafenweiler

Supplier (manufacturer/importer/only representative/downstream user/distributor)ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0

Telefax: 07445 2092

--

D 72285 Pfalzgrafenweiler

Information contact

ERKODENT Erich Kopp GmbH

Information telephone: 07445 8501 21

Information telefax: --

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

1.4. Emergency telephone numberERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: 07445 8501 0

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008: - No dangerous material! (!)

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements: -

Hazardous component(s) for labelling
none

Special labelling of particular preparations:
none

2.3. Other hazards

On basis of test data. This substance is classified as not hazardous according to 67/548/EEC.

SECTION 3: Composition / information on ingredients

3.1. Substances

Mixtures

3.2. Mixtures

Filler

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
Dodecamethylcyclodioxasiloxan	208-762-8	540-97-6			0,1-1	Eye Irrit. 2, H319; Aquatic Chronic 4, H413
Polydimethylsiloxan	226-171-3	63148-62-9				-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures are necessary.
Following inhalation: not applicable
Following skin contact: not applicable
After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion: Rinse mouth thoroughly with water.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂). Sand. Extinguishing powder. Water fog.
Alcohol resistant foam.

Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Sulphur dioxide (SO₂).
Hydrogen chloride (HCl).

5.3. Advice for firefighters

General information

Co-ordinate fire-fighting measures to the fire surroundings.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Allow stiffening. Take up mechanically.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

When using do not eat, drink or smoke.

Precautions against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool place.

Hints on joint storage

Do not store together with: Food and fodder Oxidizing agent

Storage class: 11

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit value

Substance:	CAS-No.:	Source	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
		:				

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
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DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL
------------	----------	-----------

PNEC Value

Substance:	CAS-No.:	PNEC
------------	----------	------

Remark:

none

8.2. Exposure controls

Occupational exposure controls

none

General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Tested protective gloves are to be worn: DIN EN 374 Suitable material: Butyl caoutchouc (butyl rubber). FKM (fluoro rubber). NBR (Nitrile rubber). CR (polychloroprene, chloroprene rubber).

Eye/face protection

Eye protection: not required.

Body protection

Protective clothing

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: Paste viscous

Colour: various

Odour: odourless

Odour threshold: not determined

Safety relevant basis data

Parameter	Value	Unit	Remark
pH:			not applicable
Melting point/freezing point:			not applicable
Initial boiling point and boiling range:			not applicable
Flash point:			not applicable
Evaporation rate:			not applicable
Flammability (solid, gas):			not determined
Explosive properties:			not explosive.
Lower flammability or explosive limits:			not applicable
Upper flammability or explosive limits:			not applicable
Vapour pressure:			not applicable
Vapour density:			not applicable
Relative density:			not determined
Density:	1,2	g/cm ³	
Solubility(ies):	:		not determined
Water solubility:			practically insoluble
Fat solubility:			not determined
Partition coefficient: n-octanol/water:			not determined
Auto-ignition temperature:			none Risk of selfignition.
Decomposition temperature:	> 250	°C	
Viscosity:			not determined
Oxidising properties:			not determined
Solvent content:	0,0	%	

9.2. Other information

Solid content 100 (%)

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

none none

10.4. Conditions to avoid

UV-radiation/sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours. > 150 °C Formaldehyde. No hazardous reaction when handled and stored according to provisions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data are not available.

M-factor: --

Acute toxicity (dermal): --

Acute toxicity (oral): --

Acute toxicity (inhalative): --

Acute toxicity

Substance:	CAS-No.:	Toxicological information
Polydimethylsiloxan	63148-62-9	
Dodecamethylcyclohexasiloxan	540-97-6	

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

No indications of human reproductive toxicity exist.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
Polydimethylsiloxan	63148-62-9	
Dodecamethylcyclohexasiloxan	540-97-6	

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

540-97-6 Dodecamethylcyclohexasiloxan

12.6. Other adverse effects

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

List of proposed waste codes/waste designations in accordance with EWC

Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: --

Waste code packaging: --

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

ADR / RID

--

--

IMDG / ICAO-TI / IATA-DGR

--

--

14.3. Transport hazard class(es)

Hazard label(s):: --

Classification Code:

--

14.4. Packing group

Packing Group: --

14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: ☐ yes / ☒ no

Marine Pollutant: ☐ yes / ☒ no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: --

Special provisions: --

Tunnel restriction code: --

Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:

No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

No information available.

Other regulations, restrictions and prohibition regulations

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: 540-97-6 Dodecamethylcyclohexasiloxan

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance: --

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

H319 Causes serious eye irritation.

H413 May cause long lasting harmful effects to aquatic life.

Training advice

none

Recommended restrictions of use

none

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

AC: Artikelkategorie (Article Category)
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Arbeitsplatzgrenzwert
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw: Körpergewicht (Body weight)
CMR: Stoffe klassifiziert als Krebszeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)
CSR: Stoffsicherheitsbericht (Chemical Safety Report)
DIN: Deutsches Institut für Normung / Deutsche Industrienorm
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU: Nachgeschalteter Anwender (Downstream User)
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)
IBC: Großpackmittel (Intermediate Bulk Container)
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)
ISO: Internationale Normungsorganisation (International Standards Organisation)
LC50: Lethale (Tödliche) Konzentration 50%
LD50: Lethale (Tödliche) Dosis 50%
LEV: Lokale Absaugung (Local exhaust ventilation)
MAK: Maximale Arbeitsplatzkonzentration – DFG
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Grenzwert für Kurzzeiteexposition (Short-term Exposure Limit)
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Blocking out wax**

--

CAS No.: --
EG No.: --
INDEX No.: --
REACH No.: --**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses: Blockin out wax.
Uses advised against: Other**1.3. Details of the supplier of the safety data sheet****Manufacturer**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

--

D 72285 Pfalzgrafenweiler

Telephone: 07445 8501 0

Telefax: 07445 2092

Supplier (manufacturer/importer/only representative/downstream user/distributor)ERKODENT Erich Kopp GmbH
Siemensstrasse 3

--

D 72285 Pfalzgrafenweiler

Telephone: 07445 8501 0

Telefax: 07445 2092

Information contact

ERKODENT Erich Kopp GmbH

Information telephone: 07445 8501 21

Information telefax: --

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

1.4. Emergency telephone numberERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: 07445 8501 0

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008: - No dangerous material! (!)

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements: -

Hazardous component(s) for labelling
none

Special labelling of particular preparations:
none

2.3. Other hazards

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. The product does not have to be labelled according to guideline 67/548/EEC. Caution! Hot molten mass.

SECTION 3: Composition / information on ingredients

3.1. Substances

Mixtures

3.2. Mixtures

wax

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
microcrystalline hard wax		63231-60-7			95 - 100 %	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Remove contaminated clothing immediately and dispose off safely.
Following inhalation: Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.
Following skin contact: After contact with molten product, cool skin area rapidly with cold water. Do not peel solidified product off the skin.
After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.
After ingestion: Rinse mouth thoroughly with water.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

After contact with molten product, cool skin area rapidly with cold water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Sand. Foam. dry extinguishing powder. Carbon dioxide (CO₂).
Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: When hot, product develops flammable vapours. Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). carbon black

5.3. Advice for firefighters

General information

Use water spray jet to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition. Avoid contact with skin, eyes and clothes. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Allow stiffening. Take up mechanically.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid generation of dust. The following decomposition products result from melting: Equipment with built-in suction provisions. Provide adequate ventilation.

Precautions against fire and explosion

Take precautionary measures against static discharges. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight.

Storage class: 11

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL
------------	----------	-----------

PNEC Value

Substance:	CAS-No.:	PNEC
------------	----------	------

Remark:

none

8.2. Exposure controls

Occupational exposure controls

none

General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Hand protection

Respiratory protection necessary at: Protect skin by using skin protective cream.

Eye/face protection

Splasher: Tightly sealed safety glasses.

Body protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:
Physical state: solid
Colour: various
Odour: characteristically
Odour threshold: not determined

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				not applicable
Melting point/freezing point:		70-110	°C	drop point / drop range:
Initial boiling point and boiling range:				not determined
Flash point:		> 200	°C	
Evaporation rate:				not applicable
Flammability (solid, gas):				not determined
Explosive properties:				not explosive. Vapours can form explosive mixtures with air.
Lower flammability or explosive limits:				not determined
Upper flammability or explosive limits:				not determined
Vapour pressure:				not applicable
Vapour density:				not applicable
Relative density:				not determined
Density:	approx.	0,93	g/cm ³	
Solubility(ies):	:			not determined
Water solubility:				practically insoluble
Fat solubility:				not determined
Partition coefficient: n-octanol/water:				not determined
Auto-ignition temperature:				not determined
Decomposition temperature:				not determined
Viscosity:	(at temperature in °C) 120	<30	mPa*s	
Oxidising properties:				oxidizing
Solvent content:				not determined

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention. No data available

10.2. Chemical stability

Thermal decomposition

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

heat. UV-radiation/sunlight.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data apply to the main component.

M-factor: --

Acute toxicity (dermal): --

Acute toxicity (oral): --

Acute toxicity (inhalative): --

Acute toxicity

Substance:	CAS-No.:	Toxicological information
microcrystalline hard wax	63231-60-7	LD50 oral (rat) > 2000 mg/kg

Skin corrosion/irritation

Toxicological data are not available.

Serious eye damage/irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

Toxicological data are not available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

Toxicological data are not available.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
------------	----------	-------------

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

List of proposed waste codes/waste designations in accordance with EWC

No information available.

Waste code product: --

Waste code packaging: --

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

ADR / RID

--

--

IMDG / ICAO-TI / IATA-DGR

--

--

14.3. Transport hazard class(es)

Hazard label(s):: --

Classification Code:

--

14.4. Packing group

Packing Group: --

14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: ☐ yes / ☒ no

Marine Pollutant:

☐ yes / ☒ no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: --

Special provisions: --

Tunnel restriction code: --

Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:

No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

No information available.

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance: --

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

-

Training advice

none

Recommended restrictions of use

none

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

AC: Artikelkategorie (Article Category)
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Arbeitsplatzgrenzwert
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw: Körpergewicht (Body weight)
CMR: Stoffe klassifiziert als Krebserzeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)
CSR: Stoffsicherheitsbericht (Chemical Safety Report)
DIN: Deutsches Institut für Normung / Deutsche Industrienorm
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU: Nachgeschalteter Anwender (Downstream User)
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)
IBC: Großpackmittel (Intermediate Bulk Container)
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO: Internationale Seeschifffahrts-Organisation (International Maritime Organization)
ISO: Internationale Normungsorganisation (International Standards Organisation)
LC50: Lethale (Tödliche) Konzentration 50%
LD50: Lethale (Tödliche) Dosis 50%
LEV: Lokale Absaugung (Local exhaust ventilation)
MAK: Maximale Arbeitsplatzkonzentration – DFG
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Grenzwert für Kurzzeitexposition (Short-term Exposure Limit)
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Erkoskin**

--

CAS No.: --
EG No.: --
INDEX No.: --
REACH No.: --**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses: Protective film
Uses advised against: Other**1.3. Details of the supplier of the safety data sheet****Manufacturer**ERKODENT Erich Kopp GmbH
Siemensstrasse 3

--

D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

Supplier (manufacturer/importer/only representative/downstream user/distributor)ERKODENT Erich Kopp GmbH
Siemensstrasse 3

--

D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0

Telefax: +49 7445 2092

Information contact

ERKODENT Erich Kopp GmbH

Information telephone: +49 7445 8501 21

Information telefax: --

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

1.4. Emergency telephone numberERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: +49 7445 8501 0

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008: - No dangerous material! (!)

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of water/.?.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P337+313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P501	Dispose of contents/container to .?.

Hazardous component(s) for labelling
none

Special labelling of particular preparations:
none

2.3. Other hazards

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. The substance is classified as not hazardous according to Directive 67/548/EEC. Ammonia Processing vapours can irritate the respiratory tracts, skin and eyes. NR (natural rubber, natural latex) May cause an allergic skin reaction.

SECTION 3: Composition / information on ingredients

3.1. Substances

Mixtures

3.2. Mixtures

NR (natural rubber, natural latex) Mixtures

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
Natural rubber Latex	232-689-0	9006-04-6			99%	-
ammonia water	215-647-6	1336-21-6	007-001-01-2		0,2 - 0,8%	Met. Corr. 1, H290; Skin Corr. 1/1A/1B/1C, H314; STOT SE 3, H335; Aquatic Acute 1, H400

(Full text of H- and EUH-phrases: see section 16.)

Natural rubber Latex: Natural dispersion of approx. 60% polyisoprene with natural accompanying substances in water

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In all cases of doubt, or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation: Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician in any case! Seek medical attention if problems persist.

Following skin contact: After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist. In case of skin irritation, consult a physician.

After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion: Medical examination necessary even merely on suspicion of intoxication.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

In case of skin irritation, consult a physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂). Foam. Dry extinguishing powder. Water fog. Water spray.

Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

Non-combustible liquids

5.3. Advice for firefighters

General information

Co-ordinate fire-fighting measures to the fire surroundings.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition. Avoid contact with skin, eyes and clothes. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eyes and clothes. Inhalation of vapours or spray/mists Avoid contact with skin, eyes and clothes.

Precautions against fire and explosion

Non-combustible liquids

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight. Frost

Storage class: 12

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:
------------	----------	----------	---	---	-------------------------------	---------

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL
------------	----------	-----------

PNEC Value

Substance:	CAS-No.:	PNEC
------------	----------	------

Remark:

none

8.2. Exposure controls

Occupational exposure controls

Ammonia CAS 7664-41-7

MAK: 20 ml / 14 mg/m³

General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Hand protection

Tested protective gloves must be worn Tested protective gloves must be worn Skin contact

Eye/face protection

Tightly sealed safety glasses.

Body protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Environmental exposure controls

refer to chapter 7. No further action is necessary. Do not allow to enter into surface water or drains.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state:

Liquid

Colour:

violet

Odour:

Ammonia (NH₃)

Odour threshold:

No data available

Safety relevant basis data

Parameter	Value	Unit	Remark
pH:	10 - 12		
Melting point/freezing point:			not applicable
Initial boiling point and boiling range:	100	°C	
Flash point:			not applicable
Evaporation rate:			not determined
Flammability (solid, gas):			not applicable
Explosive properties:			not explosive.
Lower flammability or explosive limits:			not applicable
Upper flammability or explosive limits:			not applicable
Vapour pressure:			not determined
Vapour density:			not determined
Relative density:			not determined
Density:	0,947	g/cm ³	
Solubility(ies):	:		not determined
Water solubility:			completely miscible
Fat solubility:			not determined
Partition coefficient: n-octanol/water:			not determined
Auto-ignition temperature:			none Risk of selfignition.
Decomposition temperature:			not applicable
Viscosity:			not determined
Oxidising properties:			not applicable
Solvent content:			not applicable

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature. Keep container tightly closed.

10.3. Possibility of hazardous reactions

none Possibility of hazardous reactions

10.4. Conditions to avoid

heat. UV-radiation/sunlight. frost.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products: none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data are not available.

M-factor: --

Acute toxicity (dermal): --

Acute toxicity (oral): --

Acute toxicity (inhalative): --

Acute toxicity

Substance:	CAS-No.:	Toxicological information
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Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

May cause sensitization by inhalation and skin contact.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
------------	----------	-------------

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Dispose of waste according to applicable legislation. Send to a physico-chemical treatment facility under observation of official regulations. Send to a hazardous waste incinerator facility under observation of official regulations. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Send to a hazardous waste incinerator facility under observation of official regulations. Handle contaminated packages in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with EWC

Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: --

Waste code packaging: --

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

ADR / RID

--

--

IMDG / ICAO-TI / IATA-DGR

--

--

14.3. Transport hazard class(es)

Hazard label(s):: --

Classification Code:

--

14.4. Packing group

Packing Group: --

14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR:

☐ yes / ☒ no

Marine Pollutant:

☐ yes / ☒ no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: --

Special provisions: --

Tunnel restriction code: --

Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:

No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

none

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance: --

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Training advice

none

Recommended restrictions of use

none

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes

none

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

AC: Artikelkategorie (Article Category)
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Arbeitsplatzgrenzwert
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw: Körpergewicht (Body weight)
CMR: Stoffe klassifiziert als Krebserzeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)
CSR: Stoffsicherheitsbericht (Chemical Safety Report)
DIN: Deutsches Institut für Normung / Deutsche Industrienorm
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU: Nachgeschalteter Anwender (Downstream User)
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)
IBC: Großpackmittel (Intermediate Bulk Container)
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)
ISO: Internationale Normungsorganisation (International Standards Organisation)
LC50: Lethale (Tödliche) Konzentration 50%
LD50: Lethale (Tödliche) Dosis 50%
LEV: Lokale Absaugung (Local exhaust ventilation)
MAK: Maximale Arbeitsplatzkonzentration – DFG
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Grenzwert für Kurzzeitexposition (Short-term Exposure Limit)
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Aton Lab. 80**

CAS number: -
EC number (EINECS/ELINCS): -
EC index number: -
REACH registration number: -

1.2 Relevant, identified uses of the substance or mixture and uses advised against

Identified uses of the substance or mixture:	Additionsvernetzende Laborknetmasse / Addition-cured lab moulding material / Reticulees par addition masses en silocone pour labo
Not recommended uses of the substance or mixture:	Other

1.3 Details of the supplier of the safety data sheet**Manufacturer**

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Supplier

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Information contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 21

Information fax:

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

National contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 0

Information fax:

E-mail (competent person): info@erkodent.com

Website:

1.4 Emergency telephone number

ERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: 07445 8501 0

1.5 Dept. responsible for information

Entwicklung +49 (0) 7445 8501-21

2. Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

Directive 67/548/EEC: -

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:

Signal word: -
H phrases: -
P phrases: -

2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:

R phrases: -
S phrases: -

2.3 Other hazards

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. This substance is classified as not hazardous according to 67/548/EEC.

3. Composition/information on ingredients

3.1 Chemical characterization of the substance or mixture

Contains: Filler Curing agent (crosslinking agent)

3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Divinylpolydimethylsiloxan		68083-19-2					

Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
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(The wording of the listed risk phrases is given in Chapter 16)

3.3 Additional information

none

4. First aid measures

4.1 Description of first aid measures

General information: No special measures are necessary.
Following inhalation: Provide fresh air. Seek medical attention if problems persist.
After skin contact: No special measures are necessary. Not an irritant.
Following eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion: Seek medical attention if problems persist.

Self-protection: First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: In all cases of doubt, or when symptoms persist, seek medical advice.
Nature of Hazard: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Emergency aid: No information available.
Treatment: No information available.

5. Fire fighting measures

5.1 General information

Extinguishing materials should be selected according to the surrounding area.

5.2 Extinguishing media

Suitable: Extinguishing materials should be selected according to the surrounding area.
Unsuitable: Extinguishing materials should be selected according to the surrounding area.

5.3 Special hazards arising from the substance or mixture

No information available.

5.4 Advice for fire fighters

Special protective equipment for fire-fighters

Extinguishing materials should be selected according to the surrounding area.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the assimilated material according to the section on waste disposal.

6.4 References to other sections

This information is not available.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

When using do not eat, drink or smoke.

Technical measures

No special technical protective measures are necessary.

Precautions against fire and explosion

No special fire protection measures are necessary.

Additional information

none

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

No special technical protective measures are necessary.

Packaging materials

Keep/Store only in original container.

Requirements for storerooms and containers

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

Information about storing together in storage facility

No special precautionary measures are necessary.

Further information concerning storage conditions

Always close containers tightly after the removal of product.

Storage class:

7.3 Specific end use(s)

Observe instructions for use.

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Limits for occupational exposure

Exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
------------	----------	---------	------------------------------------	-------------------------------	---------

EC exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
------------	----------	---------	------------------------------------	-------------------------------	---------

8.1.2 DNEL and PNEC values

DNEL-values

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer
------------	----------	-----------	----------	--------------	----------

PNEC-values

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
------------	----------	------	------------------	----------------------	----------

8.1.3 Control-Banding

Control-Banding

none

8.1.4 Additional information

none

8.2 Exposure controls

Occupational exposure controls

none

Chemical handling

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

none/none

Hand protection

Single-use gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Tightly sealed safety glasses.

Skin protection

Skin protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary. Do not empty into drains or the aquatic environment.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

8.3 Exposure scenario

none

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

State of matter:

Paste viscous

Colour:

Different

Odour:

characteristic

Odour threshold: not determined

Safety relevant basis data

	Parameter	Value	Unit	Remark
Density:	ca.	1,8	g/cm ³	
Package density:				not determined
pH:				not determined
Melting point / range:				not determined
Boiling temperature / range:				not determined
Flash point:		>130	°C °C °C	
Flammability:				not determined
Lower flammability limit:				not determined
Upper flammability limit:				not determined
Explosion hazard:				not explosive.
Lower explosion limit:				not applicable
Upper explosion limit:				not applicable
Ignition temperature:				none Risk of selfignition.
Decomposition temperature:				not determined
Oxidizing characteristics:				not determined
Vapour pressure:				not determined
Relative vapour density:				not applicable
Speed of vaporization/evaporation rate:				not applicable
Solubility in water:				not miscible slightly soluble
Fat solubility:				not determined
Solubility in	:			not determined
log P O/W (n-octanol / water):				not determined
Viscosity:				not determined Different
Solvent separation test:				not determined
Solvent content:		0	% by weight	

9.2 Other information

No information available.

10. Stability and reactivity

10.1 Reactivity

Polymerization.

10.2 Chemical stability

Chemicals / Products that react together readily Curing agent (crosslinking agent)

10.3 Possibility of hazardous reactions

Polymerization.

10.4 Conditions to avoid

heat. UV-radiation/sunlight.

10.5 Incompatible materials

Heavy metals. Peroxides. NR (Natural rubber (caoutchouc), Natural latex).

10.6 Hazardous decomposition products

Hazardous decomposition products: none

10.7 Additional information

none

11. Toxicological information

11.1 Information on toxicological effects

Toxicological data are not available.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
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Specific symptoms in laboratory animals

Toxicological data are not available.

11.2 Irritation and etching

Irritant effect on the skin

none

Irritant effect on the eye

none

Irritant effect on the respiratory tract

none

Etching

not corrosive

11.3 Sensitization

No symptoms known up to now.

11.4 Repeated dose toxicity

Toxicological data are not available.

11.5 CMR effects

Carcinogenicity

No indications of human carcinogenicity exist.

Mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

No indications of human reproductive toxicity exist.

11.6 General remarks

none

Practical experience

No information available.

Other observations

No information available.

Additional information

Data arise from reference works and literature.

12. Ecological information

12.1 Toxicity

Do not empty into drains or the aquatic environment. There are no data available on the mixture itself.

Eco toxicity

Substance:	CAS-No.:	Ecotoxicity
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12.2 Persistence and degradability

There are no data available on the mixture itself.

12.3 Bio accumulative potential

There are no data available on the mixture itself.

12.4 Mobility in soil

There are no data available on the mixture itself.

12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

There are no data available on the mixture itself.

12.7 Further ecological information

Water Hazard Class: slightly hazardous to water (WGK 1)

12.8 Further details

Do not empty into drains or the aquatic environment.

13. Disposal considerations**13.1 Waste treatment methods****Appropriate disposal/Product**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Appropriate disposal/ packaging

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Control report for waste code/ waste marking according to EAKV

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Waste key product: 07 02 17 - siliconhaltige Abfälle mit Ausnahme derjenigen, die unter 07 02 16 fallen

Waste key packaging:

Remark

Waste disposal according to official state regulations.

14. Transport information**14.1 Overland transport (ADR/RID)**

Proper Shipping name

UN No.:

Label:

Remark:

Packing Group:

Classification code:

Not a hazardous material with respect to these transportation regulations.

14.2 Transport by sea (IMDG)

Proper Shipping name

UN-No.:

Label:

EmS-No:

Special Provisions:

Remark:

Packing Group:

MFAG:

Marine pollutant:

Not a hazardous material with respect to these transportation regulations.

14.3 Air transport (ICAO-TI / IATA-DGR)

Proper Shipping name

UN/ID-No.:

Label:

Remark:

Packing Group:

Not a hazardous material with respect to these transportation regulations.

14.4 Mail

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

15.1 Labelling

Hazardous component(s) for labelling

Special labelling of particular preparations

No label required according to 1999/45/EC, annex V B, No. 9.

15.2 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

none

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer

none

Regulation (EC) No 850/2004 on persistent organic pollutants

none

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals

none

Regulation (EC) No 648/2004 (Detergents regulation)

none

Restrictions under Title VIII of Regulation (EC) No 1907/2006

none

National regulations

Moreover, national legislation has to be observed!

Informations on working limitations

none

Major Accidents Ordinance

Not subject to StörfallVO.

Storage class according to VCI**Water Hazard Class according to VwVwS**

1 weak water pollutant (WGK 1)

Technical Instructions on Air Quality Control (TA-Luft)

No information available.

Further regulations, limitations and legal requirements

none

15.3 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out:

For this substance a chemical safety assessment has not been carried out.

16. Other information**16.1 Wording of the H and R-phrases under paragraph 3**

Regulation (EC) No 1272/2008

-

Directive 67/548/EEC

-

16.2 Training instructions

none

16.3 Recommended restrictions of use

none

16.4 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

16.5 Documentation of changes

* Data changed from previous versions

16.6 Data sources

Data arise from reference works and literature.

16.7 Key and definition

none

17. Appendix

17.1 Exposure scenario

-

1. Identificazione della sostanza o del preparato e della società

1.1 Identificativo del prodotto

Kneton

CAS – No.: -
No. CE (EINECS / ELINCS): -
No. CE indice: -
No. di registro REACH: -

1.2 Rilevanti individuati usi della sostanza/del preparato e usa saranno sconsigliati

Uso della sostanza/del preparato:	Kondensationsvernetzende Vorabformmasse (Putty) / Condensation-cured first stage impression material (Putty) / reticulees par condensation premier stade (Putty)
Pronto a versare uno usi della sostanza/del preparato:	Altro

1.3 Dettagli del venditore che fornisce della pagina di dati di sicurezza

Produttore

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telefono: 07445 8501 0**Telefax:** 07445 2092

D 72285 Pfalzgrafenweiler

Fornitore

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telefono: 07445 8501 0**Telefax:** 07445 2092

D 72285 Pfalzgrafenweiler

Ulteriori informazioni

ERKODENT Erich Kopp GmbH

Informazione Telefono: 07445 8501 21**Informazione Telefax:****E-mail (persona esperta):** w.heuchert@erkodent.com**Pagina web:** www.erkodent.com**Contatto a livello nazionale**

ERKODENT Erich Kopp GmbH

Informazione Telefono: 07445 8501 0**Informazione Telefax:****E-mail (persona esperta):** info@erkodent.com**Pagina web:**

1.4 Numero telefonico di chiamata urgente

ERKODENT Erich Kopp GmbH

Telefono: 07445 8501 0

Questo numero è disponibile soltanto durante l'orario di ufficio.

1.5 Settore responsabile (per informazioni a riguardo)

Entwicklung +49 (0) 7445 8501-21

2. Identificazione dei pericoli

2.1 Classificazione della sostanza/del preparato

Regulation (EC) No 1272/2008: -

Directive 67/548/EEC: -

2.2 Etichettatura secondo regolamento (CE) n. 1272/2008

Pittogrammi relativi ai pericoli:

Parola segnale: -
Frase-H: -
Frase-P: -

2.3 Etichettatura secondo direttiva 67/548/CEE

Simboli di pericolo:

Frase-R: -
Frase-S: -

2.4 Indicazioni particolari di pericolo per l'uomo e per l'ambiente

La sostanza non è classificata come pericolosa ai sensi del regolamento CE n. 1272/2008 [CLP]. la sostanza non è classificata come pericolosa in base al 67/548/CEE.

3. Composizione/informazioni sugli ingredienti

3.1 Caratterizzazione chimica

Contiene: Riempitivo Indurente (reticolante)

3.2 Ingredienti pericolosi della sostanza/del preparato

Sostanza:	numero CE:	No. CAS:	numero indice UE:	no. REACH:	concentrazione:	Classificazione: EC 1272/2008(CLP):	Classificazione: 67/548/EEC:
Dihydroxypolydimethylsiloxan		70131-67-8					
Cristobalite		14464-46-1			10-30%	STOT RE 2; H373	Xn; R48/20

Componenti con limiti dell'Unione europea

Sostanza:	numero CE:	No. CAS:	numero indice UE:	no. REACH:	concentrazione:	Classificazione: EC 1272/2008(CLP):	Classificazione: 67/548/EEC:
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(La formulazione delle frasi di rischio elencate fare riferimento al Capitolo 16)

3.3 Ulteriori indicazioni

nessuno/a

4. Misure di primo soccorso

4.1 Descrizione delle misure di primo soccorso

Indicazioni generali:	Rimuovere indumenti contaminati immediatamente e in sicurezza.
In caso di inalazione:	Provvedere all' apporto di aria fresca. In caso di malesseri persistenti consultare un medico.
Contatto con la cute:	In caso di contatto con la pelle lavarsi immediatamente ed abbondantemente con acqua e sapone.
In caso di contatto con gli occhi:	Sciacquare subito bene con un salva-occhi o con acqua. In caso di disturbi prolungati, rivolgersi al proprio oculista.
In caso di ingestione:	Sciacquare la bocca accuratamente con acqua. Sciacquare subito la bocca e bere abbondante acqua. In caso di malesseri persistenti consultare un medico.

Autoprotezione del soccorritore: Soccorritore di pronto soccorso: Attenzione a proteggervi!

4.2 Sintomi di esordio Major acuta e ritardata e pericoli

Sintomi:	In caso in cui si verificano sintomi o in caso di dubbio, consultare il medico.
Pericoli:	Non ci sono informazioni disponibili.

4.3 Informazioni sulle prestazioni di pronto soccorso o trattamento speciale

Aiuti di emergenza:	In caso d'irritazione cutanea consultare un dermatologo.
Trattamento:	Trattamento sintomatico.

5. Misure di lotta antincendio

5.1 Indicazioni generali

Coordinare le misure di sicurezza per lo spegnimento delle fiamme nell'ambiente.

5.2 Mezzi di estinzione

adeguato:	Coordinare le misure di sicurezza per lo spegnimento delle fiamme nell'ambiente.
inadeguato:	Coordinare le misure di sicurezza per lo spegnimento delle fiamme nell'ambiente.

5.3 Particolare sostanza o miscela di rischi disponibili

Non ci sono informazioni disponibili.

5.4 Istruzioni per l'antincendio

Equipaggiamento per la protezione antincendio

In caso d' incendio: Utilizzare una maschera protettiva ermetica. Vestito protettivo.

Ulteriori indicazioni

Raccogliere l'acqua di estinzione contaminata separatamente. Non farla defluire nelle fognature o o nelle falde acquifere.

6. Misure in caso di rilascio accidentale

6.1 Misure di precauzione per la persona

Non sono necessarie misure speciali.

6.2 Misure di protezione per l'ambiente

Non disperdere la sostanza nelle fognature o nelle falde acquifere. Non far defluire nel suolo/sottosuolo.

6.3 Metodi di pulizia

Raccogliere meccanicamente e provvedere allo smaltimento in contenitori adeguati.

6.4 Referenze ad altre sezioni

Trattare il materiale rimosso come descritto nel paragrafo "smaltimento".

7. Manipolazione e immagazzinamento

7.1 Misure di protezione per la manipolazione sicura

Istruzioni per una manipolazione sicura

Non mangiare, né bere, né fumare durante l'impiego.

Misure tecniche

Non sono necessarie speciali tecniche per le misure di protezione.

Protezione antincendio e antideflagrante

Sostanze solide non combustibili. Non sono necessarie misure speciali.

Ulteriori particolari

nessuno/a

7.2 Condizioni d'immagazzinamento sicurezza

Misure tecniche e condizioni per la conservazione

Tenere l'imballaggio secco e ben chiuso, per evitare contaminazione e assorbimento di umidità.

Materiali di imballaggio

Conservare/stoccare soltanto nel contenitore originale.

Condizioni per magazzino e contenitori

Conservare soltanto nel contenitore originale in luogo fresco e ben ventilato.

Indicazioni per il raggruppamento di più sostanze in magazzino

Non sono necessarie misure speciali.

Ulteriori indicazioni per le condizioni di conservazione

Dopo aver tolto del prodotto, richiudere sempre perfettamente il contenitore.

Classe di deposito:

7.3 Uso/i particolari

Osservare le istruzioni per l'uso.

8. Controlli dell'esposizione / Protezione individuale

8.1 Per controllare i parametri

8.1.1 Limiti di esposizione professionale

Valori limite d'esposizione

Sostanza:	No. CAS:	Fonte:	Valori limiti per l'esposizione professionale:	Limite estremo:	Commento:
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Valori condivisi

Sostanza:	No. CAS:	Fonte:	Valori limiti per l'esposizione professionale:	Limite estremo:	Commento:
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8.1.2 DNEL e PNEC valori

DNEL valori

Sostanza:	No. CAS:	DNEL/DMEL	Categoria/e industriale/i	Artigianato	consumatore
-----------	----------	-----------	---------------------------	-------------	-------------

PNEC valori

Sostanza:	No. CAS:	PNEC	Lavoratori, categoria/e industriale/i	Lavoratori, artigianato	consumatore
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8.1.3 Control-Banding

nessuno/a

8.1.4 Commenti

nessuno/a

8.2 Limite e controllo di esposizione

Limitazione e controllo dell'esposizione professionale

nessuno/a

Gestione dei prodotti chimici

Non mangiare, bere, fumare o fiutare tabacco sul posto di lavoro. Lavare le mani prima delle pause e alla fine della lavorazione. Togliersi di dosso immediatamente gli indumenti contaminati.

Dispositivi di protezione individuale

gli standard minimi per le misure preventive da adottare nel trattamento di sostanze di lavoro sono indicati nel TRGS 500.

Protezione apparato respiratorio

nessuno/a/nessuno/a

Protezione per le mani

Si devono indossare guanti di protezione collaudati

Protezione degli occhi

Occhiali di protezione ermetici.

Protezione per il corpo

Protezione del corpo

Limitazione e controllo dell'esposizione ambientale

vedi punto 7. Non sono necessarie ulteriori misure. Non disperdere la sostanza nelle fognature o nelle falde acquifere.

Limitazione e controllo dell'esposizione dei consumatori

vedi punto 7. Non sono necessarie ulteriori misure.

8.3 Scenario d'esposizione

nessuno/a

9. Proprietà fisiche e chimiche

9.1 Informazioni sulle proprietà fisiche e chimiche

Aspetto
Forma: Pasta viscoso
Colore: differente
Odore: caratteristico/a
Soglia di odore: non determinato

Dati di base rilevanti di sicurezza

Parametro	Valore	Unità	Nota
Densità:	ca.	1,65 g/cm ³	
Massa volumica apparente:			non determinato
pH:			non applicabile
Punto/ambito di fusione:			non determinato
Punto/ambito di ebollizione:			non determinato
Punto d'infiammabilità:			non determinato
Infiammabilità:			non determinato
Soglia inferiore di Infiammabilità:			non determinato
Soglia superiore di Infiammabilità:			non determinato
Pericolo di esplosione:			non esplosivo.
Soglia inferiore di esplosione:			non applicabile
Soglia superiore di esplosione:			non applicabile
Temperatura di accensione:			nessuno/a Pericolo di autoinfiammazione
Temperatura di decomposizione:			non determinato
Caratteristiche che favoriscono l'infiammabilità:			non applicabile
Pressione di vapore:			non applicabile
Densità relativa di vapore:			non applicabile
Velocità di vaporizzazione/quota di evaporazione:			non applicabile
Solubilità in acqua:			insolubile
Liposolubilità:			non determinato
Solubilità in log P O/W (n-octanolo/acqua):			non determinato
Viscosità:			non determinato
Test di separazione di solventi:			non determinato
Quantità di solvente:			

9.2 Ulteriori generiche

viscoso

10. Stabilità e reattività

10.1 Reattività

Polimerizzazione.

10.2 Stabilità chimica

Sostanze chimiche / Prodotti che reagiscono facilmente reciprocamente Indurente (reticolante)

10.3 Possibili risposte

Polimerizzazione.

10.4 Condizioni da evitare (reazioni pericolose)

calore. Irradiazione con raggi ultravioletti/dalla luce del sole.

10.5 Sostanze da evitare

Non ci sono informazioni disponibili.

10.6 Sostanze pericolose da decomposizione

Sostanze pericolose da decomposizione: nessuno/a

10.7 Ulteriori particolari

nessuno/a

11. Informazioni tossicologiche

11.1 Informazioni sugli effetti tossicologici

Non sono presenti dati tossicologici.

Tossicità acuta

Sostanza:	No. CAS:	Informazioni tossicologiche
-----------	----------	-----------------------------

Sintomi specifici in tests sugli animali

Non sono presenti dati tossicologici.

11.2 Irritazione e ustione

Irritazione della pelle

nessuno/a

Effetto irritante agli occhi

nessuno/a

Effetto irritante

nessuno/a

Ustione

non corrosivo

11.3 Sensibilizzazione

Sinora non si conoscono sintomi.

11.4 Tossicità in caso di ripetuta esposizione

Non sono presenti dati tossicologici.

11.5 Effetti CMR

Cancerogeni

Non sono presenti indiciazioni circa la cancerogenicità nell'uomo.

Mutageni

Non sono presenti indicazioni circa la mutagenicità delle cellule germinali nell'uomo.

Tossici per la riproduzione

Non sono presenti indicazioni circa la tossicità riproduttiva nell'uomo.

11.6 Annotazioni generali

Gli ingredienti della miscela non corrispondono ai criteri di CMR categoria 1 o 2. conforme 67/548/CEE.

Esperienze dalla pratica

Non ci sono informazioni disponibili.

Ulteriori osservazioni

Non ci sono informazioni disponibili.

Ulteriori indicazioni

Le indicazioni si basano su opere di consultazione e sulla letteratura specifica.

12. Informazioni ecologiche

12.1 Informazioni sugli effetti ecotossicologici

Non disperdere la sostanza nelle fognature o nelle falde acquifere. Non ci sono dati disponibili sulla miscela stessa.

Ecotossicità

Sostanza:	No. CAS:	Ecotossicità

12.2 Persistenza e degradabilità

Non ci sono dati disponibili sulla miscela stessa.

12.3 Potenziale di accumulo biologico

Non ci sono dati disponibili sulla miscela stessa.

12.4 Mobilità

Non ci sono dati disponibili sulla miscela stessa.

12.5 Risultati della valutazione delle caratteristiche PBT

I componenti di questa preparazione non corrispondono ai criteri per una classificazione come PBT o vPvB.

12.6 Altri effetti nocivi

Non ci sono dati disponibili sulla miscela stessa.

12.7 Ulteriori avvertimenti ecologici

Cl. di pericolosità per le acque: leggermente inquinante per l'acqua. (WGK 1)

12.8 Ulteriori indicazioni

Non disperdere la sostanza nelle fognature o nelle falde acquifere.

13. Considerazioni sullo smaltimento

13.1 Smaltimento adatto

Smaltimento adatto/Prodotto

XXXX Può provocare congelamenti.

Smaltimento adatto/ Imballaggio

Smaltimento secondo le norme delle autorità locali.

Lista di proposte per codici/denominazioni dei rifiuti secondo l'ordinanza europea sull'introduzione di un catalogo dei rifiuti

smaltimento secondo il "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Codice dei rifiuti prodotto: 07 02 17 - siliconhaltige Abfälle mit Ausnahme derjenigen, die unter 07

02 16 fallen

Codice dei rifiuti imballaggio:**Commento**

Smaltimento secondo le norme delle autorità locali.

14. Informazioni sul trasporto**14.1 Trasporto via terra (ADR/RID)**

Denominazione ufficiale per il trasporto

Numero di
infortunio:Foglio delle
sostanze
pericolose:Gruppo di
imballaggio:Codice di
classificazione:**Commento:** Merce non pericolosa sulla base delle norme di trasporto.**14.2 Trasporto via mare (IMDG)**

Proper Shipping name:

UN-No.:

Label:

Packing

Group:

EmS-No:

MFAG:

Marine pollutant:

Special Provisions:

Remark: Not a hazardous material with respect to these transportation regulations.**14.3 Trasporto aereo (ICAO-TI / IATA-DGR)**

Proper Shipping name:

UN/ID-No.:

Label:

Packing

Group:

Remark: Not a hazardous material with respect to these transportation regulations.**14.4 Posta**

Merce non pericolosa sulla base delle norme di trasporto.

15. Informazioni sulla regolamentazione**15.1 Classificazione e etichettatura**

Componenti determinanti il pericolo pronti all' etichettamento

Speciale etichettatura di preparazioni specifiche

Etichettatura non obbligatoria secondo direttiva 1999/45/CE, allegato V, n. 9.

15.2 Regolamento per del sicurezza, salute e tutela dell'ambiente, e una legislazione specifica per la sostanza/preparato

Normative UE

Indicazioni con riferimento alla direttiva 1999/13/CE sulla limitazione delle emissioni di composti organici volatili (VOC-RL)

Non ci sono informazioni disponibili.

Regolamento (CE) n. 2037/2000 sulle sostanze che riducono del strato di ozono

Non ci sono informazioni disponibili.

Regolamento (CE) n. 850/2004 relativo agli inquinanti organici persistenti

Non ci sono informazioni disponibili.

Regolamento (CE) n. 689/2008 sull'esportazione ed importazione di prodotti chimici pericolosi

Non ci sono informazioni disponibili.

Normativa (CE) 648/2004 riguardante i detergenti

Non ci sono informazioni disponibili.

Restrizioni di cui al titolo VIII del regolamento (CE) n. 1907/2006

Non ci sono informazioni disponibili.

Norme nazionali

Inoltre si devono rispettare le norme derivanti dalla legislazione nazionale!

Indicazioni per la limitazione del periodo lavorativo

Non ci sono informazioni disponibili.

Regolamento di Incidente

Non sottoposto/a/e/i alla StörfallVO (ordinanza tedesco sugli incidenti)

Classe di deposito

Cl. di pericolosità per le acque

Istruzioni tecnici di aria (TA-Luft)

Non ci sono informazioni disponibili.

Ulteriori norme, limitazioni e prescrizioni legali

Non ci sono informazioni disponibili.

15.3 Valutazione di sicurezza

Per questa preparazione non è stata eseguita una valutazione di sicurezza:

Valutazioni di sicurezza non eseguite per le sostanze contenute nella presente miscela.

16. Altre informazioni**16.1 Pericoli sensi del capitolo 3**

Regolamento (CE) n. 1272/2008

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Direttiva 67/548/CEE

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16.2 Indicazione per l'istruzione

nessuno/a

16.3 Limitazione/i raccomandata/e per l'uso

Non ci sono informazioni disponibili.

16.4 Ulteriori informazioni

Le indicazioni contenute in questa scheda corrispondono alle nostre conoscenze al momento della messa in stampa. Le informazioni servono per darvi indicazioni circa l'uso sicuro del prodotto indicato sul foglio con i dati di sicurezza, per quanto riguarda la conservazione, la lavorazione, il trasporto e lo smaltimento. Le indicazioni non hanno valore per altri prodotti. Se il prodotto è miscelato con altri materiali o viene lavorato, le indicazioni contenute nel foglio dei dati di sicurezza hanno solo valore indicativo per il nuovo materiale.

16.5 Documentazione relativa alle modifiche

* I dati sono stati modificati rispetto alla versione precedente

16.6 Fonti di dati

Le indicazioni si basano su opere di consultazione e sulla letteratura specifica.

16.7 Leggenda e spiegazione

Il testo delle frasi R in paragrafo 3:

17. Appendice

17.1 Scenario d'esposizione

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