

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Mowax

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: wax.
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

Different wax

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: |
|-------------------------------------|---------|------------|------------|------------|----------------|------------------------------------|-----------------------------|
| Hydrocarbon waxes, microcrystalline | | 63231-60-7 | | | | | |
| Paraffin waxes | | 64742-51-4 | | | | | |

Ingredients with EC exposure limits

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

(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:** Remove contaminated clothing immediately and dispose off safely.
- Following inhalation:** Remove casualty to fresh air and keep warm and at rest. In case of irritation of the respiratory tract seek medical advice.
- After skin contact:** Following contact with the melted product, quickly cool affected skin area with water. Do not attempt to remove congealed product from skin.
- Following 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.
- 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:** Following contact with the melted product, quickly cool affected skin area with water.
- Treatment:** Treat symptomatically.

5. Fire fighting measures

5.1 General information

Use water spray/stream to protect personnel and to cool endangered containers.

5.2 Extinguishing media

- Suitable:** Sand. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).
- Unsuitable:** High power water jet.

5.3 Special hazards arising from the substance or mixture

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

5.4 Advice for fire fighters

Special protective equipment for fire-fighters

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

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

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition. Avoid contact with skin, eyes and clothes. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

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

Allow stiffening. Collect mechanically.

6.4 References to other sections

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

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Avoid generation of dust. In case of melting: Equipment with built-in suction provisions. Provide adequate ventilation.

Technical measures

In case of melting: If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

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.

Additional information

none

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Handle and open container with care. Store only in original container. Keep/Store only in original container. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from sunlight.

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

Conditions to avoid: UV-radiation/sunlight.

Further information concerning storage conditions

Maximum storage temperature: °C Keep away from heat. Protect from sunlight.

Storage class: 11 Combustible solids.

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. 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 respiratory protection when in the presence of vapour, dust, and aerosols.

Hand protection

Dand protection Protect skin by using skin protective cream.

Eye protection

Tightly sealed safety glasses.

Skin 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.

8.3 Exposure scenario

none

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

State of matter: solid
Colour: Different
Odour: characteristic
Odour threshold: not determined

Safety relevant basis data

| | Parameter | Value | Unit | Remark |
|---|-----------|---------|-------------------|---|
| Density: | ca. | 0,92 | g/cm ³ | |
| Package density: | | | | not applicable |
| pH: | | | | not applicable |
| Melting point / range: | | 50 -100 | °C | drop point / drop range: |
| Boiling temperature / range: | | | | not determined |
| Flash point: | | > 120 | °C | |
| Flammability: | | | | not determined |
| Lower flammability limit: | | | | not determined |
| Upper flammability limit: | | | | not determined |
| Explosion hazard: | | | | XXXX not explosive. Vapours can form explosive mixtures with air. |
| Lower explosion limit: | | | | not determined |
| Upper explosion limit: | | | | not determined |
| Ignition temperature: | | | | not determined |
| Decomposition temperature: | | | | not determined |
| Oxidizing characteristics: | | | | oxidizing |
| Vapour pressure: | | | | not applicable |
| Relative vapour density: | | | | not applicable |
| Speed of vaporization/evaporation rate: | | | | not applicable |
| Solubility in water: | | | | insoluble |
| Fat solubility: | | | | not determined |
| Solubility in log P O/W (n-octanol / water): | : | | | not determined |
| Viscosity: | at °C: | <30 | | not determined |
| Solvent separation test: | | | | not determined |
| Solvent content: | | | | not determined |

9.2 Other information

No information available.

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

Hazardous decomposition products: none

10.7 Additional information

none

11. Toxicological information**11.1 Information on toxicological effects**

Data apply to the principal component.

Acute toxicity

| Substance: | CAS-No.: | Toxicological information |
|-------------------------------------|------------|-----------------------------|
| Hydrocarbon waxes, microcrystalline | 63231-60-7 | LD50 (rat) >2000 mg/kg oral |
| Paraffin waxes | 64742-51-4 | LD50 (rat) >2000 mg/kg oral |

Specific symptoms in laboratory animals

Toxicological data are not available.

11.2 Irritation and etching**Irritant effect on the skin**

Toxicological data are not available.

Irritant effect on the eye

Toxicological data are not available.

Irritant effect on the respiratory tract

Toxicological data are not available.

Etching

Toxicological data are not available.

11.3 Sensitization

Toxicological data are not available.

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

Toxicological data are not available.

11.6 General remarks

No information available.

Practical experience

No information available.

Other observations

No information available.

Additional information

No information available.

12. Ecological information

12.1 Toxicity

There are no data available on the mixture itself.

Eco toxicity

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

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

There are no data available on the mixture itself.

12.8 Further details

Do not allow uncontrolled discharge of product into the 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

Waste disposal according to official state regulations.

Control report for waste code/ waste marking according to EAKV

No information available.

Waste key product:

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:

Packing Group:

Classification code:

Remark: 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:

Packing Group:

MFAG:

Marine pollutant:

Remark: 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

No information available.

Storage class according to VCI

11 Combustible solids.

Water Hazard Class according to VwVwS

0 not a water pollutant

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:**

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

16. Other information**16.1 Wording of the H and R-phrases under paragraph 3****Regulation (EC) No 1272/2008**

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Directive 67/548/EEC

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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

none

16.6 Data sources

Data arise from reference works and literature.

16.7 Key and definition

none

17. Appendix

17.1 Exposure scenario

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