

PU140

Revision date: 02/11/2024

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1. Identification

Product identifier

PU140

Further trade names

PU 140

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Paints and varnishes

Details of the supplier of the safety data sheet

Company name: Hottinger Brüel & Kjaer
Street: Im Tiefen See 45
Place: D-64293 Darmstadt
Telephone: +49 (0)6151 803-0
Internet: www.hbm.com
Responsible Department: +49(0)6131 19240 support@hbm.com

Emergency phone number: +49-30-18412-0

2. Hazard(s) identification

Classification of the chemical

Regulation (EC) No 1272/2008

Flam. Liq. 3; H226

Carc. 1B; H350

Full text of hazard statements: see SECTION 16.

Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H226 Flammable liquid and vapor

H350 May cause cancer

Precautionary statements

P201 Obtain special instructions before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Special labelling of certain mixtures

Restricted to professional users.

Restricted to professional users.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



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Hazard statements

H350

Precautionary statements

P201-P280

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

| CAS No | Components | Quantity |
|------------|--|-----------|
| 90622-57-4 | Isoparaffinische Kohlenwasserstoff (Alkane, C9-12-iso-) | 25 - 50 % |
| 96-29-7 | butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime | < 1 % |
| 136-52-7 | Cobaltoctoat | < 0,25 % |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Components | Quantity |
|------------|-----------|--|-----------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 90622-57-4 | 292-459-0 | Isoparaffinische Kohlenwasserstoff (Alkane, C9-12-iso-) | 25 - 50 % |
| | | oral: LD50 = >10000 mg/kg | |
| 96-29-7 | 202-496-6 | butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime | < 1 % |
| | | dermal: ATE 1100 mg/kg; oral: ATE 100 mg/kg | |

4. First-aid measures**Description of first aid measures****General information**

Remove affected person from the danger area and lay down. If unconscious but breathing normally, place in recovery position and seek medical advice. First aider: Pay attention to self-protection!

After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

5. Fire-fighting measures**Extinguishing media**

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Suitable extinguishing media

Water spray jet, Dry extinguishing powder, Foam

Unsuitable extinguishing media

Full water jet

Specific hazards arising from the chemical

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

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

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

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

Do not breathe gas/vapor/spray.

Provide adequate ventilation as well as local exhaust at critical locations.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Use personal protection equipment.

Personal protection equipment (PPE): see section 8

For non-emergency personnel

Remove persons to safety.

For emergency responders

First aider: Pay attention to self-protection!

Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow uncontrolled discharge of product into the environment.

Methods and material for containment and cleaning up**For cleaning up**

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

Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections

Safe handling: see section 7

Wear personal protection equipment (refer to section 8).

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

No special technical protective measures are necessary.

Further information on handling

Wear personal protection equipment (refer to section 8). Do not empty into drains. When using do not eat, drink, smoke, sniff.

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Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions

No information available.

8. Exposure controls/personal protection**Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures

When using do not eat or drink. Do not breathe gas/fume/vapor/spray.

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Wear suitable protective clothing, gloves and eye/face protection.

Draw up and observe skin protection programme.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. EN ISO 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Thickness of the glove material: $\geq 0,7\text{mm}$

Suitable gloves type NBR (Nitrile rubber)

Breakthrough time: $>480\text{ min}$

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.

Skin protection

Used working clothes should not be worn outside the work area. Separate storage of work clothes.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering device (full mask or mouthpiece) with filter: a

Environmental exposure controls

Do not allow to enter into surface water or drains.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:

Liquid

Color:

transparent

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| | | |
|---|----------|-------------------|
| Odor: | Solvents | |
| pH-Value: | | not determined |
| Changes in the physical state | | |
| Melting point/freezing point: | | not determined |
| Boiling point or initial boiling point and boiling range: | | 150 °C |
| Sublimation point: | | not determined |
| Softening point: | | not determined |
| Pour point: | | not determined |
| not determined: | | |
| Flash point: | | 46 °C |
| Sustaining combustion: | | No data available |
| Flammability | | |
| Solid/liquid: | | not determined |
| Explosive properties | | |
| not determined: | | |
| Lower explosion limits: | | 0,6 vol. % |
| Upper explosion limits: | | 7 vol. % |
| Auto-ignition temperature: | | 230 °C |
| Self-ignition temperature | | |
| Solid: | | not determined |
| Gas: | | not determined |
| Decomposition temperature: | | not determined |
| Oxidizing properties | | |
| not determined: | | |
| Vapor pressure: (at 20 °C) | | < 1 hPa |
| Vapor pressure: | | not determined |
| Density: | | not determined |
| Bulk density: | | not determined |
| Water solubility: | | not determined |
| Solubility in other solvents | | |
| not determined: | | |
| Partition coefficient n-octanol/water: | | not determined |
| Viscosity / dynamic: | | not determined |
| Viscosity / kinematic: | | not determined |
| Flow time: | | not determined |
| Relative vapour density: | | not determined |
| Evaporation rate: | | not determined |
| Solvent separation test: | | not determined |
| Solvent content: | | 51 % |
| Other information | | |
| Solid content: | | 0,25 % |
| No information available. | | |

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10. Stability and reactivity

Reactivity

No information available.

Chemical stability

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

Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Conditions to avoid

No information available.

Incompatible materials

No information available.

Hazardous decomposition products

No information available.

11. Toxicological information

Information on toxicological effects

Acute toxicity

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

ATEmix calculated

ATE (oral) 11111 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Components | | | | |
|------------|--|-------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 90622-57-4 | Isoparaffinische Kohlenwasserstoff (Alkane, C9-12-iso-) | | | | |
| | oral | LD50 >10000 mg/kg | Ratte | JAT | |
| 96-29-7 | butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime | | | | |
| | oral | ATE 100 mg/kg | | | |
| | dermal | ATE 1100 mg/kg | | | |

Irritation and corrosivity

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

Sensitizing effects

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

Contains butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime, Cobaltoctoat. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

May cause cancer (butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime)

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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

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Aspiration hazard

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

Information on other hazards**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12. Ecological information**Persistence and degradability**

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

No information available.

Further information

No information available.

13. Disposal considerations**Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

14. Transport information**US DOT 49 CFR 172.101**

UN number or ID number: UN 1263

Proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: I

Hazard label: 3

**Marine transport (IMDG)**

UN number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: I

Hazard label: 3



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Special Provisions: 163 367
 Limited quantity: 500 mL
 Excepted quantity: E3
 EmS: F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

UN number: UN 1263
UN proper shipping name: PAINT
Transport hazard class(es): 3
Packing group: I
 Hazard label: 3



Special Provisions: A3 A72 A192
 Limited quantity Passenger: Forbidden
 Passenger LQ: Forbidden
 Excepted quantity: E3
 IATA-packing instructions - Passenger: 351
 IATA-max. quantity - Passenger: 1 L
 IATA-packing instructions - Cargo: 361
 IATA-max. quantity - Cargo: 30 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport as bulk according to IBC Code.

15. Regulatory information**U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7): Delayed (chronic) health hazard, Immediate (acute) health hazard

Cobaltoctoat (136-52-7): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information**Changes**

Revision date: 02/11/2024

Revision No: 2,1

This data sheet contains changes from the previous version in section(s): 6,7.

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008

| Classification | Classification procedure |
|--------------------|--------------------------|
| Flam. Liq. 3; H226 | On basis of test data |
| Carc. 1B; H350 | Calculation method |

Relevant H statements (full text)

| | |
|--------|---|
| H226 | Flammable liquid and vapor |
| H301 | Toxic if swallowed |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H350 | May cause cancer |
| H370 | Causes damage to organs |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H412 | Harmful to aquatic life with long lasting effects |
| EUH208 | Contains butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime, Cobaltoctoat. May produce an allergic reaction. |

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)