



Trade name: Separator

Substance number: 1687

Version: 2 / GB

Date revised: 08.07.2024

Replaces Version: 1 / GB

Print date: 08.07.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Separator

UFI

UFI: DUN4-1079-F00W-SR6A

Registration no.

EC No.: 920-750-0

Registration no. 01-2119473851-33

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

Use of the substance/preparation

Separating agent

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

DE-59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided by / telephone Department Research & Development: Fax: +49 2303 8807-562

E-mail address of

sicherheitsdatenblatt@dreve.com

person responsible

for this SDS

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

STOT SE 3 H336

Asp. Tox. 1 H304

Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

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**Signal word**

Danger

Hazard statements

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H336 | May cause drowsiness or dizziness. |
| H304 | May be fatal if swallowed and enters airways. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

| | |
|-----------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P331 | Do NOT induce vomiting. |

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

No special hazards have to be mentioned.

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures**Chemical characterization**

Dispersion of wax in a solvent mixture

Hazardous ingredients**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes**

| | | |
|--|-------------------|------|
| CAS No. | 64742-49-0 | |
| EINECS no. | 920-750-0 | |
| Registration no. | 01-2119473851-33 | |
| Concentration | >= 50 | % |
| Classification (Regulation (EC) No. 1272/2008) | | |
| | Flam. Liq. 2 | H225 |
| | STOT SE 3 | H336 |
| | Asp. Tox. 1 | H304 |
| | Aquatic Chronic 2 | H411 |



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. Remove affected person from danger area. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do NOT induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor's instructions.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Do not pick up with the help of saw-dust or other combustible substances. Clean contaminated floors and objects thoroughly, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Provide suitable exhaust ventilation at the processing machines. Avoid impact, friction and electro-static loading; risk of ignition! Use explosion-proof apparatus and fittings. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges. Use explosion-proof equipment/fittings and non-sparking tools. Keep away from combustible material. Wear shoes with conductive soles.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store together with foodstuffs. Do not store with strong oxidizing agents.

Further information on storage conditions

Keep under lock and key or accessible only to specialists or people who are authorized. Keep container tightly closed and in a well-ventilated place. Keep in a cool place



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | |
|---------------------------|------|-------------------|
| Type | AGW | |
| Value | 700 | mg/m ³ |
| Short term exposure limit | 1400 | mg/m ³ |

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | |
|-------------------|--------------------------------|-------------------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Route of exposure | inhalative | |
| Mode of action | Chronic effects | |
| Concentration | 2035 | mg/m ³ |

| | | |
|-------------------|--------------------------------|---------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Route of exposure | dermal | |
| Mode of action | Chronic effects | |
| Concentration | 773 | mg/kg/d |

8.2. Exposure controls

General protective and hygiene measures

Do not smoke during work time. Hold emergency shower available. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Hand protection must comply with EN 374.

Appropriate Material Butyl rubber

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry. Fire-resistant antistatic protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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| | | | |
|---|---------------------|--------|--------------------|
| Physical state | liquid | | |
| Colour | colourless | | |
| Odour | characteristic | | |
| Melting point | | | |
| Remarks | not determined | | |
| Freezing point | | | |
| Remarks | not determined | | |
| Boiling point or initial boiling point and boiling range | | | |
| Value | appr. 90 | to 165 | °C |
| Flammability | | | |
| evaluation | not determined | | |
| Upper and lower explosive limits | | | |
| Lower explosion limit | 0,7 | | %(V) |
| Upper explosion limit | 7,7 | | %(V) |
| Flash point | | | |
| Value | -3,5 | | °C |
| Method | closed cup | | |
| Auto-ignition temperature | | | |
| Remarks | not determined | | |
| Decomposition temperature | | | |
| Remarks | not determined | | |
| pH value | | | |
| Remarks | not determined | | |
| Viscosity | | | |
| kinematic | | | |
| Value | < 20 | | mm ² /s |
| Temperature | 40 | °C | |
| Solubility(ies) | | | |
| Remarks | not determined | | |
| Partition coefficient n-octanol/water (log value) | | | |
| Remarks | not determined | | |
| Vapour pressure | | | |
| Value | 2 | | kPa |
| Temperature | 25 | °C | |
| Density and/or relative density | | | |
| Remarks | not determined | | |
| Relative vapour density | | | |
| Remarks | not determined | | |
| 9.2. Other information | | | |
| Odour threshold | | | |
| Remarks | not determined | | |
| Evaporation rate (ether = 1) : | | | |
| Remarks | not determined | | |
| Solubility in water | | | |
| Remarks | virtually insoluble | | |



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Auto-ignition temperature

Value > 200 °C

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Toxic gases/vapours

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

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

Acute oral toxicity (Components)**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes**Species rat
LD50 > 5840 mg/kg**Acute dermal toxicity**

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

Acute dermal toxicity (Components)**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes**Species rat
LD50 > 2800 to 3100 mg/kg**Acute inhalational toxicity**

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

Acute inhalative toxicity (Components)



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Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | | |
|----------------------|----------|------|------|
| Species | rat | | |
| LC50 | > | 23,3 | mg/l |
| Duration of exposure | | 4 | h |
| Administration/Form | Vapors | | |
| Method | OECD 403 | | |

Skin corrosion/irritation

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

Skin corrosion/irritation (Components)**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes**

Remarks Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Serious eye damage/irritation

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

Sensitization

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

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)**Single exposure**Remarks The classification criteria are met.
evaluation May cause drowsiness or dizziness.**Repeated exposure**

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

Specific Target Organ Toxicity (STOT) (Components)**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes**

evaluation May cause drowsiness or dizziness.

Aspiration hazardThe classification criteria are met.
Harmful: may cause lung damage if swallowed.**Aspiration hazard (Components)****Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes**

Harmful: may cause lung damage if swallowed.

11.2. Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

Other information

No toxicological data are available.

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SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | | |
|----------------------|--|----|---------|
| Species | rainbow trout (<i>Oncorhynchus mykiss</i>) | | |
| LL50 | 3 | to | 10 mg/l |
| Duration of exposure | 96 | h | |
| Method | OECD 203 | | |

Daphnia toxicity (Components)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | | |
|----------------------|---------------|---|---------|
| Species | Daphnia magna | | |
| EL50 | 4,6 | | 10 mg/l |
| Duration of exposure | 48 | h | |
| Method | OECD 202 | | |

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | | |
|----------------------|---------------|---|------|
| Species | Daphnia magna | | |
| NOELR | 1 | | mg/l |
| Duration of exposure | 21 | d | |
| Method | OECD 211 | | |

Algae toxicity (Components)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | | |
|----------------------|---------------------------------|----|---------|
| Species | Pseudokirchneriella subcapitata | | |
| EL50 | 10 | to | 30 mg/l |
| Duration of exposure | 24 | h | |
| Method | OECD 201 | | |

12.2. Persistence and degradability

General information

not determined

Biodegradability (Components)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

| | | | |
|------------------|--|---|---|
| Value | 98 | | % |
| Duration of test | 28 | d | |
| evaluation | Readily biodegradable (according to OECD criteria) | | |
| Method | OECD 301 F | | |
| Remarks | Test conducted with a similar formulation. | | |

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

12.4. Mobility in soil

General information

not determined



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12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Must not be disposed together with household garbage.

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information ***

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| | Land transport ADR/RID *** | Marine transport IMDG/GGVSee *** | Air transport ICAO/IATA *** |
|----------------------------------|--|---|--|
| 14.1. UN number or ID number | 3295 | 3295 | 3295 |
| 14.2. UN proper shipping name | HYDROCARBONS, LIQUID, N.O.S. | HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes) | HYDROCARBONS, LIQUID, N.O.S. |
| 14.3. Transport hazard class(es) | 3 | 3 | 3 |
| Label |  |  |  |
| 14.4. Packing group | II | II | II |
| Special provision | 640D | | |
| Remarks | The product is not subject to any other provisions of ADR provided packaging of not more than 5 l / 5 kg | The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 l / 5 kg. | The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197) |
| Limited Quantity | 1 l | 1 l | |
| Transport category | 2 | | |
| 14.5. Environmental hazards |  ENVIRONMENTALLY HAZARDOUS | Marine Pollutant  ENVIRONMENTALLY HAZARDOUS |  ENVIRONMENTALLY HAZARDOUS |
| Tunnel restriction code | D/E | | |

SECTION 15: Regulatory information ***

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:



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Classification (Regulation (EC) No. 1272/2008)

| | | |
|-------------------|------|-----------------------|
| Flam. Liq. 2 | H225 | On basis of test data |
| STOT SE 3 | H336 | Calculation method |
| Asp. Tox. 1 | H304 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

Hazard statements listed in Chapter 2/3

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

CLP categories listed in Chapter 2/3

| | |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Flam. Liq. 2 | Flammable liquid, Category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, Category 3 |

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.