

Trade name: Separator

Substance number: 1687

Version: 2 / US

Replaces Version: 1 / US

Date revised: 17.07.2024

Print date: 17.07.2024

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

1.1. Product identifier

Separator

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 person responsible for this SDS sicherheitsdatenblatt@dreve.com

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 according to OSHA Hazard Communication Standard 29 CFR 1910:1200

Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200

Flam. Liq. 2	H225
STOT SE 3	H336
Asp. Tox. 1	H304

2.2. Label elements

Labelling according to OSHA Hazard Communication Standard 29 CFR 1910:1200

Hazard pictograms



Signal word

Danger



Trade name: Separator

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Hazard statements

H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P235 Keep cool.
P241.1 Use explosion-proof ventilating equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P331 Do NOT induce vomiting.

Storage/Disposal

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501.1 Dispose of contents/container to industrial incineration plant.

Hazardous component(s) to be indicated on label

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

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Dispersion of wax in a solvent mixture

Hazardous ingredients according to OSHA Hazard Communication Standard 29 CFR 1910:1200

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

CAS No.	64742-49-0		
Concentration	>=	50	%

SECTION 4: First aid measures

4.1. Description of first aid measures



Trade name: Separator

Substance number: 1687

Version: 2 / US

Replaces Version: 1 / US

Date revised: 17.07.2024

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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.

SECTION 6: Accidental release measures



Trade name: Separator

Substance number: 1687

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Replaces Version: 1 / US

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Print date: 17.07.2024

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values



Trade name: Separator

Substance number: 1687

Version: 2 / US

Replaces Version: 1 / US

Date revised: 17.07.2024

Print date: 17.07.2024

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.

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

Form	liquid
Colour	colourless
Odour	characteristic
Odour threshold	
Remarks	not determined
pH value	
Remarks	not determined
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined
Initial boiling point and boiling range	
Value	appr. 90 to 165 °C
Flash point	
Value	-3,5 °C
Method	closed cup
Evaporation rate (ether = 1) :	



Trade name: Separator

Substance number: 1687

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Replaces Version: 1 / US

Date revised: 17.07.2024

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Remarks not determined

Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

Lower explosion limit	0,7	%(V)
Upper explosion limit	7,7	%(V)

Vapour pressure

Value	2	kPa
Temperature	25	°C

Vapour density

Remarks not determined

Density

Remarks not determined

Solubility in water

Remarks virtually insoluble

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Auto-ignition temperature

Remarks not determined

Auto-ignition temperature

Value	> 200	°C
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Decomposition temperature

Remarks not determined

Viscosity

kinematic

Value	< 20	mm ² /s
Temperature	40	°C

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

9.2. Other information

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



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Replaces Version: 1 / US

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No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Toxic gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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)

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



Trade name: Separator

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Replaces Version: 1 / US

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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.

National Toxicology Program (NTP)

No component of this product present at levels greater than or equal to 0,1% is identified as a known or reasonably anticipated to be human carcinogen by NTP

International Agency for research on Cancer (IARC)

No component of this product present at levels greater than or equal to 0,1% is identified as probable, possible or confirmed human carcinogen by IARC

Specific Target Organ Toxicity (STOT)

Single exposure

Remarks evaluation The classification criteria are met. 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 hazard

The classification criteria are met. Harmful: may cause lung damage if swallowed.

Other information

No toxicological data are available.

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



Trade name: Separator

Substance number: 1687

Version: 2 / US

Date revised: 17.07.2024

Replaces Version: 1 / US

Print date: 17.07.2024

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

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Evaluation of persistence and bioaccumulation potential

The Substance does not meet PBT-criteria.
This substance does not meet the vPvB-criteria.

12.6. 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

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Replaces Version: 1 / US

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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 ***

	Ground transport DOT ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
14.1. UN 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 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		
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information ***

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



Trade name: Separator

Substance number: 1687

Version: 2 / US

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Other information ***

All components are contained in the TSCA inventory or exempted.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355)

The product does not contain any listed components.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

The product does not contain any listed components.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

Warning! This product may contain trace quantities of substance(s) known to the state of California to cause cancer and/or reproductive toxicity – not added as a part of the formulation but remaining as residuals from the manufacturing process of our raw material suppliers.

SECTION 16: Other information

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.