

SAFETY DATA SHEET

according to the Globally Harmonized System

Dismofix G

Version 1.10 Revision Date: 12.04.2024 SDS Number: R11077 Date of last issue: 28.04.2023
Date of first issue: 13.05.2015

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer or supplier's details

Manufacturer : BODE Chemie GmbH
Melanchthonstraße 27
22525 Hamburg (Germany)
Tel.: +49 (0)40 / 54 00 60

Supplier : Paul Hartmann AG
Paul-Hartmann-Str. 12
89522 Heidenheim
Deutschland
Tel.: +49 (0)7321 / 36 - 0

Responsible Department : Scientific Affairs
sds@bode-chemie.de

Emergency telephone number : Poison Center Göttingen
24h-Phone +49 (0)551 / 1 92 40

Recommended use of the chemical and restrictions on use

Recommended use : In-door use
Detergent
For further information, refer to the product technical data sheet.

Restrictions on use : Restricted to professional users.

2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
Ethanol	64-17-5	>= 10 - < 20
3-butoxypropan-2-ol	5131-66-8	>= 1 - < 10
sodium etasulfate	126-92-1	>= 1 - < 3

4. FIRST AID MEASURES

If inhaled : If breathed in, move person into fresh air.

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In case of skin contact	:	Wash off with soap and water. Take off contaminated clothing and shoes immediately. If symptoms persist, call a physician.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	:	Do NOT induce vomiting. Rinse mouth. If symptoms persist, call a physician or Poison Control Centre immediately.
Most important symptoms and effects, both acute and delayed	:	None known.
Notes to physician	:	For specialist advice physicians should contact the Poisons Information Service.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray jet Alcohol-resistant foam Dry powder Carbon dioxide (CO ₂)
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	Standard procedure for chemical fires.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Material can create slippery conditions. Remove all sources of ignition.
Environmental precautions	:	Should not be released into the environment.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Flush with water.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Keep away from sources of ignition - No smoking.
Advice on safe handling	:	Prepare the working solution as given on the label(s) and/or the user instructions. Avoid contact with eyes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	STEL	1.000 ppm	ACGIH

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Recommended Filter type:

Filter type : Organic vapour type

Hand protection

Nitrile rubber Material : Protective gloves complying with EN 374.
Break through time : > 480 min
Glove thickness : 0,1 mm
Protective index : Class 6
: Peha-soft nitrile guard

Eye protection : Safety glasses with side-shields conforming to EN166

Skin and body protection : Work uniform or laboratory coat.

Hygiene measures : Keep away from food and drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : yellow

Odour : characteristic

pH : 7,7 (20 °C)

Boiling point/boiling range : > 80 °C

Flash point : 36 °C

Method: DIN 51755 Part 1

Flammability (liquids) : Not classified as supporting combustion according to the transport regulations.

Lower explosion limit / Lower flammability limit : Lower flammability limit
3,5 %(V)

Density : 0,98 g/cm³ (20 °C)

Solubility(ies)

Water solubility : completely soluble

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10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	None reasonably foreseeable.
Conditions to avoid	:	Strong sunlight for prolonged periods. Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
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Components:

Ethanol (CAS: 64-17-5):

Acute oral toxicity	:	LD50 Oral (Rat): 10.470 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50 (Rat): 51 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403

3-butoxypropan-2-ol (CAS: 5131-66-8):

Acute oral toxicity	:	LD50 (Rat): 3.300 mg/kg Method: OECD Test Guideline 401
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sodium etasulfate (CAS: 126-92-1):

Acute oral toxicity	:	LD50 (Rat): 2.840 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402

Skin corrosion/irritation

Not classified based on available information.

Product:

Result	:	No skin irritation
Remarks	:	Based on available data, the classification criteria are not met.

Components:

Ethanol (CAS: 64-17-5):

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Species : human skin
Result : Mild skin irritation
Remarks : Based on available data, the classification criteria are not met.

sodium etasulfate (CAS: 126-92-1):

Result : Irritating to skin.

Serious eye damage/eye irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Assessment : No eye irritation
Remarks : Based on available data, the classification criteria are not met.

Components:

Ethanol (CAS: 64-17-5):

Species : Rabbit
Method : OECD Test Guideline 405
Result : Irritating to eyes.

sodium etasulfate (CAS: 126-92-1):

Result : Risk of serious damage to eyes.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Result : Does not cause respiratory sensitisation.

Result : Does not cause skin sensitisation.

Components:

Ethanol (CAS: 64-17-5):

Species : Mouse
Method : OECD Test Guideline 429
Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

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STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

No data available

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

No data available

Experience with human exposure

No data available

Neurological effects

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Ethanol (CAS: 64-17-5):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 11.200 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 9.268 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Chlorella vulgaris (Fresh water algae)): 9,6 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

3-butoxypropan-2-ol (CAS: 5131-66-8):

Toxicity to fish : LC50 (Fish): > 560 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (algae): > 1.000 mg/l
Exposure time: 96 h

sodium etasulfate (CAS: 126-92-1):

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 483 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 511 mg/l
Exposure time: 72 h

Toxicity to daphnia and other : NOEC: 1,4 mg/l

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aquatic invertebrates (Chronic toxicity)

Exposure time: 21 d
Species: Daphnia magna (Water flea)

Persistence and degradability

Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Components:

Ethanol (CAS: 64-17-5):

Biodegradability : Result: Readily biodegradable.

3-butoxypropan-2-ol (CAS: 5131-66-8):

Biodegradability : Result: Totally biodegradable

sodium etasulfate (CAS: 126-92-1):

Biodegradability : Result: Totally biodegradable

Bioaccumulative potential

Components:

Ethanol (CAS: 64-17-5):

Partition coefficient: n-octanol/water : log Pow: -0,35

3-butoxypropan-2-ol (CAS: 5131-66-8):

Partition coefficient: n-octanol/water : log Pow: 1,2 (20 °C)
pH: 7

sodium etasulfate (CAS: 126-92-1):

Partition coefficient: n-octanol/water : log Pow: -0,248 (25 °C)

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging : Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations.

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14. TRANSPORT INFORMATION

ADR

Not regulated as a dangerous good

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

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

Other international regulations

The components of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

16. OTHER INFORMATION

Revision Date : 12.04.2024

Date format : yyyy/mm/dd

Safety datasheet sections which have been updated:

15. Regulatory information

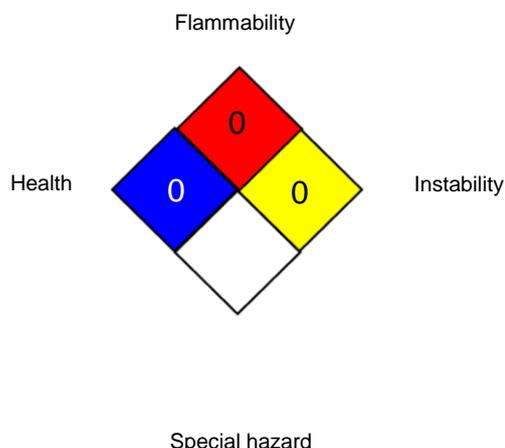
Further information

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NFPA:



HMIS® IV:

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / STEL : Short-term exposure limit

AIIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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TC / EN