

SAFETY DATA SHEET

Dismozon plus

Version 1.5 Revision Date: 07.08.2019 SDS Number: R11573 Date of last issue: 23.10.2018
Date of first issue: 06.06.2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Dismozon plus

Product code : R11573

Manufacturer or supplier's details

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

Supplier :

Responsible Department : Scientific Affairs
kundenservice-SIDA@bode-chemie.de

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

Recommended use of the chemical and restrictions on use

Recommended use : In-door use
Disinfectants and general biocidal products
For further information, refer to the product technical data sheet.

Restrictions on use : Restricted to professional users.

2. HAZARDS IDENTIFICATION

GHS Classification

Organic peroxides : Type E

Skin corrosion/irritation : Sub-category 1B

Serious eye damage/eye irritation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H242 Heating may cause a fire.
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Storage:

P402 Store in a dry place.

P411 Store at temperatures not exceeding 25°C/ 77°F.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Magnesium monoperoxyphthalate hexahydrate	84665-66-7	>= 70 - < 90
Tridecanol, branched, ethoxylated	69011-36-5	>= 1 - < 2,5
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	308062-28-4	>= 1 - < 2,5

4. FIRST AID MEASURES

- General advice : Get medical attention.
- In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
- If swallowed : Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.
- Most important symptoms and effects, both acute and delayed : No information available.
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : none
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment for firefighters : Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
- Environmental precautions : Should not be released into the environment.
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.

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.
- Conditions for safe storage : Store in original container.
- Materials to avoid : Keep away from food and drink.
- Recommended storage temperature : < 25 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
hydrogen peroxide	7722-84-1	TWA	1 ppm	ACGIH

Personal protective equipment

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

Remarks : Nitrile rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Work uniform or laboratory coat.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Keep away from food and drink.
Avoid contact with the skin and the eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granular

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Colour	:	white
Odour	:	characteristic
pH	:	Not applicable
Melting point/range	:	not determined
Boiling point/boiling range	:	not determined
Flash point	:	Not applicable
Flammability (solid, gas)	:	Sustains combustion
Bulk density	:	500 g/l
Solubility(ies)	:	
Water solubility	:	completely soluble

10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat Strong sunlight for prolonged periods.
Incompatible materials	:	None.
Hazardous decomposition products	:	This product may release the following: hydrogen peroxide (CAS: 7722-84-1)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

Magnesium monoperoxyphthalate hexahydrate (CAS: 84665-66-7):

Acute oral toxicity	:	LD50 (Rat): > 2.000 mg/kg
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Acute inhalation toxicity	:	LC50 (Rat): 1,7 mg/l Exposure time: 4 h Test atmosphere: dust/mist
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Acute dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg
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Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg Method: Expert judgement
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Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg Method: Expert judgement
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Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides (CAS: 308062-28-4):

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 401

Skin corrosion/irritation

Components:

Magnesium monoperoxyphthalate hexahydrate (CAS: 84665-66-7):

Method: OECD Test Guideline 404
Result: Causes burns.

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Species: Rabbit
Result: No skin irritation

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides (CAS: 308062-28-4):

Species: Rabbit
Result: irritating

Serious eye damage/eye irritation

Components:

Magnesium monoperoxyphthalate hexahydrate (CAS: 84665-66-7):

Result: Corrosive

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Species: Rabbit
Method: OECD Test Guideline 437
Result: Risk of serious damage to eyes.

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides (CAS: 308062-28-4):

Species: Rabbit
Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation

Product:

Remarks: No data available

Components:

Magnesium monoperoxyphthalate hexahydrate (CAS: 84665-66-7):

Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Test Type: Maximisation Test
Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

Components:

Magnesium monoperoxyphthalate hexahydrate (CAS: 84665-66-7):

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Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

Carcinogenicity

Product:

Remarks: This information is not available.

Reproductive toxicity

No data available

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: No data available

Repeated dose toxicity

Product:

Remarks: This information is not available.

Aspiration toxicity

No data available

Experience with human exposure

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 68 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

Toxicity to microorganisms : IC50 (Bacteria): 820 mg/l

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Method: OECD Test Guideline 209

Components:**Magnesium monoperoxyphthalate hexahydrate** (CAS: 84665-66-7):

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 56 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 26 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- Toxicity to microorganisms : IC50 (Bacteria): 280 mg/l
Method: OECD Test Guideline 209

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

- Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 1 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 1 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- Toxicity to microorganisms : IC50 (Pseudomonas putida): > 1.000 mg/l
Exposure time: 16 h
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 1 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides (CAS: 308062-28-4):

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 10 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4,4 mg/l
Exposure time: 48 h
Test Type: Immobilization
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 0,11 mg/l
Exposure time: 96 h
Test Type: Cell multiplication inhibition test
- M-Factor (Acute aquatic toxicity) : 1

Persistence and degradability**Product:**

- Biodegradability : Result: Readily biodegradable.
Biodegradation: 90 %
Method: OECD Test Guideline 301

Remarks: The surfactant(s) contained in this preparation com-

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plies(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:

Magnesium monoperoxyphthalate hexahydrate (CAS: 84665-66-7):

Biodegradability : Result: Readily biodegradable.
Biodegradation: 99,9 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data available

Other adverse effects

Product:

Adsorbed organic bound halogens (AOX) : Remarks: Product does not contain any organic halogens.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not mix waste streams during collection.
Dispose of as hazardous waste in compliance 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.

14. TRANSPORT INFORMATION

ADR

UN number : UN 3108
Proper shipping name : ORGANIC PEROXIDE TYPE E, SOLID
(Magnesium monoperoxyphthalate hexahydrate)
Class : 5.2
Packing group : Not assigned by regulation
Labels : 5.2
Tunnel restriction code : (D)

UNRTDG

UN number : UN 3108
Proper shipping name : ORGANIC PEROXIDE TYPE E, SOLID
(Magnesium monoperoxyphthalate hexahydrate)
Class : 5.2

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Packing group : Not assigned by regulation
Labels : 5.2

IATA-DGR

UN/ID No. : UN 3108
Proper shipping name : Organic peroxide type E, solid
(Magnesium monoperoxyphthalate hexahydrate)
Class : 5.2
Packing group : Not assigned by regulation
Labels : Class 5 - Organic Peroxide (Division 5.2), Keep Away From Heat
Packing instruction (cargo aircraft) : 570
Packing instruction (passenger aircraft) : 570

IMDG-Code

UN number : UN 3108
Proper shipping name : ORGANIC PEROXIDE TYPE E, SOLID
(Magnesium monoperoxyphthalate hexahydrate)
Class : 5.2
Packing group : Not assigned by regulation
Labels : 5.2
EmS Code : F-J, S-R
Marine pollutant : no

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

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

International Regulations

16. OTHER INFORMATION

Safety datasheet sections which have been updated:

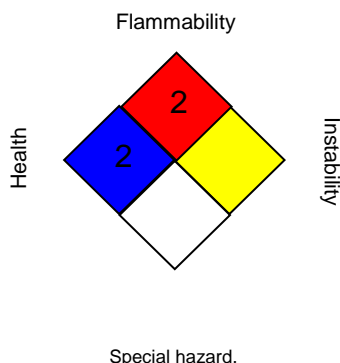
3. Composition/information on ingredients

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Further information

NFPA:



HMIS® IV:

HEALTH	/	2
FLAMMABILITY		2
PHYSICAL HAZARD		

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 / TWA : 8-hour, time-weighted average

AICS - Australian Inventory of Chemical Substances; 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; CPR - Controlled Products Regulations; 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; 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.

TC / EN