SAFETY DATA SHEET
according to the Globally Harmonized System

Dismozon plus

Version	Revision Date:	SDS Number:	Date of last issue: 02.03.2023
1.13	28.02.2024	R11573	Date of first issue: 06.06.2014

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 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.
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	>= 90 - <= 100
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 15 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 : Causes serious eye damage.
Causes severe burns.

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

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. Avoid contact with skin and eyes.
Conditions for safe storage	:	Store in original container.
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

Respiratory protection	:	No personal respiratory protective equipment normally required.
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
Eye protection	:	Safety glasses with side-shields conforming to EN166
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	granular
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	:	No hazardous decomposition products are known.
Hazardous decomposition products	:	This product may release the following: hydrogen peroxide (CAS: 7722-84-1) This product may release the following:

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

Components:

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

Acute oral toxicity	:	LD50 (Rat): > 2.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): 1,76 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg

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

Acute oral toxicity	:	LD50 Oral (Rat): 2.000 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg Method: Expert judgement

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

Acute oral toxicity	:	LD50 Oral (Rat): 1.064 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	:	LD50 Dermal: > 2.000 mg/kg Method: OECD Test Guideline 402

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
Method	:	OECD Test Guideline 404
Result	:	irritating

Serious eye damage/eye irritation

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
Method	:	OECD Test Guideline 405
Result	:	Risk of serious damage to eyes.

Respiratory or skin sensitisation

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

Components:

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

Germ cell mutagenicity - Assessment	:	Not mutagenic in Ames Test

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

No data available

Aspiration toxicity

No data available

Experience with human exposure

No data available

Experience with human exposure

No data available

Neurological effects

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

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/aquatic plants	:	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 (Brachydanio rerio (zebrafish)): > 10 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/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

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

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 2,67 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 3,1 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	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	:	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:

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

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

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

Biodegradability : Result: Totally biodegradable

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

Biodegradability : Result: rapidly biodegradable
Biodegradation: 90 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Bioaccumulative potential

No data available

Mobility in soil

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.
Clean container with water.
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)
Limited quantity (LQ)	:	500,00 G
Environmentally hazardous	:	no

UNRTDG

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
Environmentally hazardous	:	no

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	:	Organic Peroxides, 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
Limited quantity (LQ)	:	500,00 G
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

Other international regulations

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

TSCA	:	Product contains substance(s) not listed on TSCA inventory.

16. OTHER INFORMATION

Revision Date	:	28.02.2024
Date format	:	yyyy/mm/dd

Safety datasheet sections which have been updated:

13. Disposal considerations

Further information

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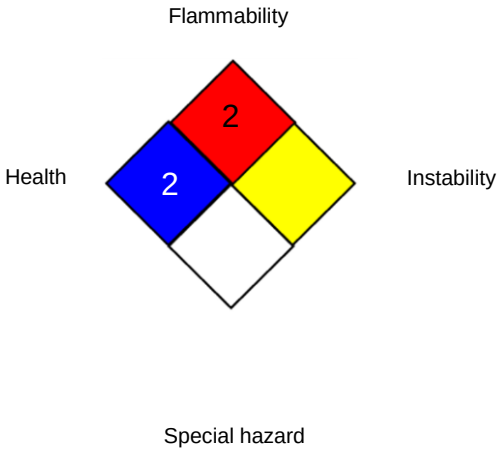
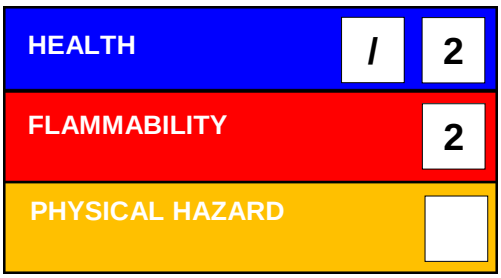
NFPA:



HMIS® IV:



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

AIIC - 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

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