

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Helmstar 75 WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	04.10.2020	000000000000104886	Date of first issue: 04.10.2020
			Print Date: 14.10.2020

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

1.1 Product identifier

Trade name : Helmstar 75 WG
Product code : 000000000000104886

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

Use of the Sub-stance/Mixture : agricultural and horticultural auxiliary agent, Herbicide
Uses advised against : No data available.

1.3 Details of the supplier of the safety data sheet

Company : HELM AG
Nordkanalstrasse 28
20097 Hamburg
Telephone : +49040/23750
Telefax : +49040/23751845
E-mail address of person responsible for the SDS : SDB@HELMAG.COM

1.4 Emergency telephone number

For medical advice:
+40 21 318 36 06 (INSP Emergency Center)
In case of transport incidents and other emergencies:
+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

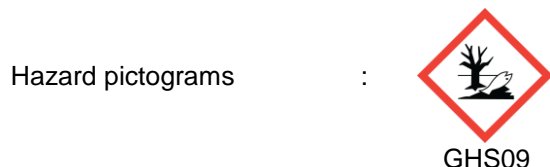
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Signal word : Warning

Hazard statements : H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

EUH208 Contains tribenuron methyl. May produce an allergic reaction.

Precautionary statements : **Prevention:**
P273 Avoid release to the environment.

Response:
P391 Collect spillage.

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

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
methyl 2-[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-N-methylcarbamoylsulfamoyl]benzoate	101200-48-0 401-190-1 607-177-00-9	1; H400 Aquatic Chronic 1; H410 Skin Sens. 1; H317	>= 70 - < 90
alkylnaphthalene sulfonate, sodium salt		2; H319	>= 1 - < 10
	1258274-08-6	1; H318	>= 3 - < 10

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Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts	01-2119980591-31	Skin Irrit. 2; H315	
docusate sodium	577-11-7 209-406-4 01-2119491296-29	1; H318 Skin Irrit. 2; H315	>= 1 - < 3
For the full text of the H-Statements mentioned in this Section, see Section 16.			

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Take off all contaminated clothing immediately.
Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.
- In case of skin contact : In case of skin contact
Wash off with plenty of water.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Protect unharmed eye.
- If swallowed : Rinse mouth with water.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO₂)
Water spray
- Unsuitable extinguishing media : High volume water jet

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5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : In the event of fire, the following can be released:
Carbon monoxide and carbon dioxide
Sulphur oxides
Nitrogen oxides (NO_x)
Sodium oxide
Calcium oxide

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. Do not allow uncontrolled discharge of product into the environment. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up and arrange disposal without creating dust. Use mechanical handling equipment.

6.4 Reference to other sections

Information regarding safe handling, see chapter 7. For personal protection see section 8. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Handle with care. Avoid inhalation, ingestion and contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : Dust can form an explosive mixture with air. Take measures to prevent the build up of electrostatic charge. Keep away from heat and sources of ignition.

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Hygiene measures : Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and at the end of workday. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers.

Keep away from direct sunlight. Keep only in original container.

Advice on common storage : Substances to be avoided, pls. See chapter 10.

Recommended storage temperature : 0 - 35 °C

7.3 Specific end use(s)

Specific use(s) : No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
docusate sodium	577-11-7	STEL	20 mg/m ³	RO OEL

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system
Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Safety glasses with side-shields
Equipment should conform to EN 166

Hand protection

Material : Nitrile rubber
Break through time : > 480 min
Glove thickness : 0,4 - 0,7 mm
Remarks : Protective gloves complying with EN 374. Gloves must be

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inspected prior to use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Preventive skin protection

Respiratory protection : Apply technical measures to comply with the occupational exposure limits.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Filter type : P2 filter

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	:	granular
Colour	:	brownish
Odour	:	odourless
pH	:	6 - 8 (23 °C) Concentration: 1 % Method: CIPAC MT 75
Flash point	:	Not applicable
Vapour pressure	:	No data available
Density	:	0,5 - 1 g/cm ³ (23 °C) Method: OECD Test Guideline 109
Oxidizing properties	:	none

9.2 Other information

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No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

None, when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): > 2.000 - 5.000 mg/kg
Method: OPPTS 870.1100

Acute inhalation toxicity : LC50 (Rat): > 2 mg/l
Exposure time: 4 h
Test atmosphere: Dust
Method: OECD Test Guideline 403
Remarks: Based on available data, the classification criteria are not met.
highest checkable concentration

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg
Method: OECD Test Guideline 402

Components:

tribenuron-methyl (ISO), CAS 101200-48-0:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
Remarks: Source: Toxnet

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Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Exposure time: 4 h
Test atmosphere: Dust
Remarks: Source: Toxnet

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Remarks: Source: Toxnet

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Acute oral toxicity : LD50 (Rat): 4.470 mg/kg
Method: OECD Test Guideline 401
Remarks: Source: ECHA

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402
Remarks: Source: ECHA

docosate sodium, CAS 577-11-7:

Acute oral toxicity : LD50 (Rat): > 2.100 mg/kg
Method: OECD Test Guideline 401
Remarks: Source: ECHA

Skin corrosion/irritation

Product:

Species : Rabbit
Method : OECD Test Guideline 404
Result : low-irritant
Remarks : Based on available data, the classification criteria are not met.

Components:

tribenuron-methyl (ISO), CAS 101200-48-0:

Species : Rabbit
Result : No skin irritation
Remarks : Source: Perkow / Ploss

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Species : Rabbit
Method : OECD Test Guideline 404
Result : irritant
Remarks : Source: ECHA

Serious eye damage/eye irritation

Product:

Species : Rabbit
Method : OECD Test Guideline 405

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Result : low-irritant
Remarks : Based on available data, the classification criteria are not met.

Components:

tribenuron-methyl (ISO), CAS 101200-48-0:

Species : Rabbit
Result : low-irritant
Remarks : Based on available data, the classification criteria are not met.
Source: Toxnet

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Method : OECD Test Guideline 437
Result : Irreversible effects on the eye
Remarks : Source: ECHA

Respiratory or skin sensitisation

Product:

Exposure routes : Dermal
Species : Guinea pig
Method : OPPTS 870.2600
Result : non-sensitizing

Components:

tribenuron-methyl (ISO), CAS 101200-48-0:

Exposure routes : Dermal
Species : Guinea pig
Result : sensitizing
Remarks : Source: Perkow / Ploss

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Exposure routes : Dermal
Species : Guinea pig
Method : OECD Test Guideline 406
Result : non-sensitizing
Remarks : Source: ECHA

Germ cell mutagenicity

Components:

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.
Remarks: Source: ECHA

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Reproductive toxicity

Components:

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.
Remarks: Source: ECHA

Repeated dose toxicity

Components:

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Application Route : Oral
Assessment : Based on available data, the classification criteria are not met.
Remarks : Source: ECHA

Further information

Product:

Remarks : Contact with the skin and eyes may cause mechanical irritation.
Repeated and prolonged exposure to high dust concentrations may lead to irritation of the respiratory tract.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata): < 1 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Components:

tribenuron-methyl (ISO), CAS 101200-48-0:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 738 mg/l
Exposure time: 96 h
Remarks: Source: EFSA

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 894 mg/l
Exposure time: 48 h
Remarks: Source: EFSA

Toxicity to algae/aquatic plants : ErC50 (Selenastrum capricornutum): 0,11 mg/l
Exposure time: 120 h
Remarks: Source: EFSA

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 67,4 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: Source: ECHA

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: Source: ECHA

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata): > 810 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Source: ECHA

Toxicity to microorganisms : EC50 (activated sludge): 651 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: Source: ECHA

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 15 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
Remarks: Source: ECHA

docosate sodium, CAS 577-11-7:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 49 mg/l
Exposure time: 96 h
Remarks: Based on available data, the classification criteria are not met.
Source: ECHA

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6,6 mg/l
Exposure time: 48 h
Method: EU C.2
Remarks: Based on available data, the classification criteria are not met.
Source: ECHA

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 82,5 mg/l
Exposure time: 72 h

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Method: OECD Test Guideline 201
Remarks: Based on available data, the classification criteria are not met.
Source: ECHA

12.2 Persistence and degradability

Components:

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 29 %
Related to: aerobic
Exposure time: 28 d
Method: OECD Test Guideline 301D
Remarks: Source: ECHA

docusate sodium, CAS 577-11-7:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 91,2 %
Related to: aerobic
Exposure time: 28 d
Method: OECD Test Guideline 310
Remarks: Source: ECHA

12.3 Bioaccumulative potential

Components:

tribenuron-methyl (ISO), CAS 101200-48-0::

Bioaccumulation : Bioconcentration factor (BCF): 3
Method: QSAR
Remarks: Source: Toxnet

Partition coefficient: n-octanol/water : log Pow: 0,78 (25 °C)
Remarks: Source: Toxnet

Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6::

Partition coefficient: n-octanol/water : log Pow: ca. -3,3 (20 °C)
Remarks: Source: ECHA

12.4 Mobility in soil

Components:

tribenuron-methyl (ISO), CAS 101200-48-0:

Distribution among environmental compartments : Koc: 1,8
Method: QSAR
Remarks: Source: Toxnet

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Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts, CAS 1258274-08-6:

Distribution among environmental compartments : Koc: < 3,5
Method: OECD Test Guideline 121
Remarks: Source: ECHA

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

Product:

Environmental fate and pathways : Do not discharge into the drains or waters and do not store on public depositories.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Eliminarea deseului de produs se va face conform legislatiei si normelor în vigoare dupa consultarea unui operator autorizat responsabil cu eliminarea. Legislatia privind eliminarea de-seurilor: Legea 211/2011 privind regimul de-seurilor HG 856/2002" privind evidenta gestiunii de-seurilor si pentru aprobarea listei cuprinzând de-seurile, inclusiv de-seurile periculoase. Legislatia conform careia se elimina ambalajele de produs: HG 621/2005 privind gestionarea ambalajelor si de-seurilor de ambalaje. HG 1872/2006 pentru modificarea si completarea HG 621 /2005 privind gestionarea ambalajelor si de-seurilor de ambalaje

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

SECTION 14: Transport information

14.1 UN number

ADN	: UN 3077
ADR	: UN 3077
RID	: UN 3077
IMDG	: UN 3077
IATA	: UN 3077

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14.2 UN proper shipping name

ADN : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(tribenuron methyl)

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(tribenuron methyl)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(tribenuron methyl)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(tribenuron methyl)

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(tribenuron methyl)

14.3 Transport hazard class(es)

ADN : 9

ADR : 9

RID : 9

IMDG : 9

IATA : 9

14.4 Packing group

ADN
Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9

ADR
Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (-)

RID
Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9

IMDG
Packing group : III
Labels : 9
EmS Code : F-A, S-F

IATA (Cargo)

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Packing instruction (cargo aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

IATA (Passenger)

Packing instruction (passenger aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : no

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Other regulations:

HG 1408/2008 privind clasificarea, ambalarea si etichetarea substantelor periculoase. HG 937/2010 privind clasificarea, ambalarea si etichetarea la introducerea pe piata a preparatelor periculoase.

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

TCSI : Not in compliance with the inventory
TSCA : Product contains substance(s) not listed on TSCA inventory.
AICS : Not in compliance with the inventory
DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

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tribenuron-methyl (ISO)
alkylnaphthalene sulfonate, sodium salt
Aromatic hydrocarbons, C10-13, reaction products with
branched nonene, sulfonated, sodium salts

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

Regulation (EC) Nr. 1107/2009 concerning the placing of plant protection products on the market

SP 1 Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

SPe3 Beachten Sie zum Schutz von Wasserorganismen eine unbehandelte Pufferfläche von 15 m bis zu Oberflächenregalen.

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for the following substance/s in this mixture:

SECTION 16: Other information

Sources of key data used to compile the Safety Data Sheet

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of H-Statements

Full text of other abbreviations

RO OEL : Romania. Occupational Exposure Limits
RO OEL / STEL : Short term exposure limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response;

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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	04.10.2020	000000000000104886	Date of first issue: 04.10.2020
			Print Date: 14.10.2020

EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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