

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## HELMSTAR 75WG

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	24.03.2021	000000000000105860	Date of first issue: 24.03.2021
		Region: GB	Print Date: 19.05.2021
		Language: EN	

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

#### 1.1 Product identifier

Trade name : HELMSTAR 75WG  
Product code : 000000000000105860

#### 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 : +49/40/23750  
Telefax : +49/40/23751845  
E-mail address of person  
responsible for the SDS : SDB@HELMAG.COM

#### 1.4 Emergency telephone number

For medical advice (in German and English):  
+49 (0)551 192 40 (Giftinformationszentrum Nord)  
In case of transport incidents and other emergencies:  
+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

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### 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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Hazard pictograms :   
GHS09

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 : P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**Prevention:**

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear eye protection/ face protection.

**Response:**

P391 Collect spillage.

**Disposal:**

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

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
tribenuron methyl	101200-48-0 401-190-1	Skin Sens.1; H317 Aquatic Acute 1;	>= 70 - < 90

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	607-177-00-9 -	H400 Aquatic Chronic 1; H410 <hr/> M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100	
alkylnaphthalene sulfonate, sodium salt	- - -	Eye Irrit.2; H319	>= 1 - < 10
Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts	1258274-08-6 - 01-2119980591-31	Skin Irrit.2; H315 Eye Dam. 1; H318	>= 3 - < 10
docusate sodium	577-11-7 209-406-4 - 01-2119491296-29	Skin Irrit.2; H315 Eye Dam. 1; H318	>= 1 - < 3
Substances with a workplace exposure limit :			
starch	9005-25-8 232-679-6 - -		>= 1 - < 10
calcium carbonate	471-34-1 207-439-9 - -		>= 1 - < 10
For the full text of the H-Statements mentioned in this Section, see Section 16.			

Remarks : Substances with a workplace exposure limit

## 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.

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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 (CO<sub>2</sub>)  
Water spray

Unsuitable extinguishing media : High volume water jet

### 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<sub>x</sub>)  
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.

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### 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.

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### 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.

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 contain-

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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
starch	9005-25-8	TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
	9005-25-8	TWA (Respirable dust)	4 mg/m <sup>3</sup>	GB EH40
calcium carbonate	471-34-1	TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
	471-34-1	TWA (Respirable dust)	4 mg/m <sup>3</sup>	GB EH40

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts	Workers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	21.16 mg/m <sup>3</sup>
	Workers	Dermal	Long-term exposure, Chronic effects, Systemic effects	3 mg/kg bw/day
	Consumers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	7.46 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term exposure, Chronic effects, Systemic effects	2.143 mg/kg bw/day
	Consumers	Oral	Long-term exposure,	2.143 mg/kg

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			Chronic effects, Systemic effects	bw/day
docusate sodium	Workers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	44.1 mg/m <sup>3</sup>
	Workers	Dermal	Long-term exposure, Chronic effects, Systemic effects	31.3 mg/kg bw/day
	Consumers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	13 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term exposure, Chronic effects, Systemic effects	18.8 mg/kg bw/day
	Consumers	Oral	Long-term exposure, Chronic effects, Systemic effects	18.8 mg/kg bw/day

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts	Fresh water	138 µg/l
	Marine water	13.8 µg/l
	Aqua intermittent	357 µg/l
	Fresh water sediment	44.1 mg/kg dry weight (d.w.)
	Other environmental compartments	4.41 mg/kg dry weight (d.w.)
	Soil	8.75 mg/kg dry weight (d.w.)
	Sewage treatment plant	22 mg/l
docusate sodium	Fresh water	0.0066 mg/l
	Marine water	0.00066 mg/l
	Aqua intermittent	0.066 mg/l
	Fresh water sediment	0.653 mg/kg dry weight (d.w.)
	Other environmental compartments	0.0653 mg/kg dry weight (d.w.)
	Soil	0.138 mg/kg dry weight (d.w.)
	Sewage treatment plant	122 mg/l

## 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

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Remarks : Protective gloves complying with EN 374.  
Gloves must be 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.

Material : Nitrile rubber  
Break through time : > 480 min  
Glove thickness : 0.4 - 0.7 mm

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  
Odour Threshold : No data available  
pH : 6 - 8 (23 °C)  
Concentration: 1 %  
Method: CIPAC MT 75



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Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	0.5 - 1 g/cm <sup>3</sup> (23 °C) Method: OECD Test Guideline 109
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	Not applicable
Viscosity		
Viscosity, kinematic	:	No data available
Oxidizing properties	:	none
Particle size	:	No data available

### 9.2 Other information

No data available

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## 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.

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### 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

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**

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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

### **docusate sodium, CAS: 577-11-7, EINECS: 209-406-4**

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  
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

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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

### **Reproductive toxicity**

#### **Components:**

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

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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

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

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Toxicity to algae/aquatic plants : ErC50 (Selenastrum capricornutum): 0.11 mg/l  
Exposure time: 120 h  
Remarks: Source: EFSA

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

### **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, EINECS: 209-406-4**

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.

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Source: ECHA

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 82.5 mg/l  
Exposure time: 72 h  
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

**docosate sodium, CAS: 577-11-7, EINECS: 209-406-4**

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

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### 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

##### **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

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 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.

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## 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.

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

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## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 3077  
ADR : UN 3077  
RID : UN 3077



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**IMDG** : UN 3077

**IATA** : UN 3077

### 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

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### IMDG

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

### IATA (Cargo)

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not listed

REACH - List of substances subject to authorisation (Annex XIV) : Not listed

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not listed

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Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not listed

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1 ENVIRONMENTAL HAZARDS

### 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 one or several components that are not on the Canadian DSL nor NDSL.
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.

### 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.

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### Full text of H-Statements

H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)

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; 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

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### 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.

GB / EN