

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



TRIMEO

Version	Revision Date:	SDS Number:	Date of last issue: 10.08.2021
2.0	19.10.2021	000000000000106013	Date of first issue: 10.08.2021
		Region: FR	Print Date: 09.02.2022
		Language: EN	

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

1.1 Product identifier

Trade name : TRIMEO
Product code : 000000000000106013

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 : +49/4023750
Telefax : +49/4023751845
E-mail address of person responsible for the SDS : SDB@HELMAG.COM

1.4 Emergency telephone number

For medical advice:
01 45 42 59 59 (Emergency Center France)
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)

Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
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.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :  
GHS08 | GHS09

Signal word	:	Warning
Hazard statements	:	H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. 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.
Precautionary statements	:	Prevention: P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P273 Avoid release to the environment. Response: P314 Get medical advice/ attention if you feel unwell. P391 Collect spillage. Disposal: P501 Dispose of contents / container in accordance with national regulations

Hazardous components which must be listed on the label:

tribenuron-methyl (ISO)

Additional Labelling

EUH208 Contains tribenuron-methyl (ISO). May produce an allergic reaction.

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

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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 -	Skin Sens.1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100	>= 70 - < 90
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 :			
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.

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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

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.

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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.

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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er.

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
calcium carbonate	471-34-1	VME	10 mg/m ³	FR VLE
Further information		Indicative exposure limits		

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 ³
	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 ³
	Consumers	Dermal	Long-term exposure, Chronic effects, Systemic effects	2,143 mg/kg bw/day
docusate sodium	Consumers	Oral	Long-term exposure, Chronic effects, Systemic effects	2,143 mg/kg bw/day
	Workers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	44,1 mg/m ³
	Workers	Dermal	Long-term exposure, Chronic effects, Systemic effects	31,3 mg/kg bw/day

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			temic effects	
	Consumers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	13 mg/m ³
	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.)
docusate sodium	Soil	8,75 mg/kg dry weight (d.w.)
	Sewage treatment plant	22 mg/l
	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

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

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

Filter type	:	P2 filter
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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
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable

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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 ³ (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

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.

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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: 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

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

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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
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

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Respiratory or skin sensitisation

Product:

Exposure routes	: Dermal
Species	: Guinea pig
Assessment	: Does not cause skin sensitisation.
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
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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.
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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
Toxicity to algae/aquatic plants	: ErC50 (Selenastrum capricornutum): 0,11 mg/l Exposure time: 120 h Remarks: Source: EFSA

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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: 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: 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: Source: ECHA

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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, 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

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

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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.

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.

SECTION 14: Transport information

14.1 UN number

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

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

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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 : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

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
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not listed
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	: Not applicable

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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

Occupational Illnesses (R-461-3, France) : Not applicable

Installations classified for the protection of the environment (Environment Code R511-9) : 4510

PR-nr. : ?

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

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.
H373 : May cause damage to organs through prolonged or repeated exposure.
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
STOT RE : Specific target organ toxicity - repeated exposure
FR VLE : France. Occupational Exposure Limits (INRS)
FR VLE / VME : Time Weighted Average

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 Sub-

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stances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Classification procedure:

Calculation method
Based on product data or assessment
Calculation method

Authors responsible for the compilation of the material safety data sheet: UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de.

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.

FR / EN