



TOXOLIN SUPER

Revision 7.0 of November 25, 2020

MATERIAL SAFETY DATA SHEET

according to the regulation 830/2015 Annex II

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 - Product details

Trade name: TOXOLIN SUPER

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

Ready to use insecticide for domestic and civil use.

Not applicable in other uses than the uses identified.

1.3 - Details of the supplier of the safety data sheet

Manufacturer/Supplier: ORMA S.r.l. - Via A. Chiribiri 2 - 10028 Trofarello TO - Tel. +39/011.64.99.064 Fax +39/011.68.04.102 - Qualified technician on drafting the MSDS: aircontrol@ormatorino.it



1.4 - Emergency telephone number:

+39/011.6499064 (ORMA, office hours)

For urgent information, **call a Poison Centre** opened 24 hours a day (ex. Centro Antiveneni Ospedale Niguarda, Milano +39/02.66101029)

SECTION 2: HAZARDS IDENTIFICATION

Classification according the CLP Regulation N. 1272/2008 and subsequent modifications and adjustments

Classification	Aspiration toxicity; Hazardous for the aquatic environment
	Category 1; Category 1
GHS Pictograms	GHS08 GHS09  
Signal Word	DANGER
Hazard Statement	H304 H400 H410
Supplemental hazard information	EUH208

2.2 - Label elements

Hazard labelling of the preparation according to CLP Regulation N. 1272/2008 and subsequent modifications and adjustments



DANGER

Hazard statements (H):

H304: May be fatal if swallowed and enters airways.

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



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Supplemental hazard information:

EUH208 Contains Chrysanthemum Cinerariaefolium. May produce an allergic reaction.

EUH066 Repeated exposure may cause skin dryness or cracking

Precautionary statements (P):

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

P102: Keep out of reach of children.

P103: Read label before use.

P273: Avoid release to the environment.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

P391: Collect spillage.

P405: Store locked up.

P501: Dispose of contents/container according to the national law.

Additional Labeling: Store in an inaccessible place for pets. During its use do not contaminate food, drink, or containers intended to contain them. Avoid inhaling the product. Do not vaporize on flame. If the product is used in a closed place where you stay long and in the bedrooms, aerate the place before enter again.

2.3 – Other hazards

Not available information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 – Substances: Not pertinent information.

3.2 – Mixture: It contains

Chemical Name	Registration Number	CAS Number	EINECS Number	CLP Classification	%
TETRAMETHRIN	05-2116382403-48-XXXX	7696-12-0	231-711-6	Carc. 2 H351 Acute Tox. 4 H302 STOT SE 2 H371 Aquat. Acute 1 H400 Aquatic Chr. 1 H410	0,6 %
CHRYSANTHEMUM CINERARIAEFOLIUM EXTRACT 50%	N.A.	89997-63-7	289-699-3	Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	0,6 %
PBO 94%	N.A.	51-03-6	200-076-7	Aquatic Acute 1 H400 Aquatic Chronic 1 H410	5,0 %
PETROLEUM DISTILLATES	N.A.	64742-47-8	265-149-8	Asp. Tox. 1 H304	< 0,5%
BUTYLHYDROXYTOLUENE (BHT)	N.A.	128-37-0	204-881-4	Oral Ac. Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chron. 1 H410	< 0,5%
Tetradecane	01-219485515-31-XXXX	629-59-4	211-096-0	Asp. Tox 1 H304	> 50,0

The full text of Hazards phrases (H) is specified in section 16.



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SECTION 4: FIRST-AID MEASURES

4.1 – Description of first-aid measures

General information: if symptoms persist, seek medical care, giving the information contained in the label and in this sheet. In case of accident, the first-aid measure should be performed by trained personnel, in order to avoid the injured further complication or damages.

After eye contact: Rinse opened eye with water for several minutes and get medical advice.

After skin contact: Immediately wash with plentiful running water.

After inhalation: remove the patient to fresh air; consult get medical advice if necessary.

After swallowing: get medical advice, showing the safety sheet. Do not induce vomiting.

4.2 – Main symptoms and effects, both acute and retarded

For symptoms and effects caused by the substances see section 11. Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident may be necessary.

4.3 – Indications about the possible need to get medical advice and special treatments

Symptomatic treatment and control of vital functions.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 – Extinguishing agents:

Suitable extinguishing agents: CO₂, dry chemical extinguisher, sand.

Unsuitable extinguishing agents: Water with full jet. Water is not effective for fire-extinguishing, however it can be used to cool down containers exposed to flames, in order to prevent bursts and explosions.

5.2 – Special hazards arising from the substance or mixture

Particular fire dangers: In case of fire, toxic gas and irritating vapours emission.

5.3 – Advice for firefighters

Protective equipment: Wear suitable rebreather (especially in indoor locals) and complete protection outfit.

Special procedures: Contain the spread. Stay upwind. Avoid to breathe vapours. Cool down the containers exposed to fire with nebulized water. Avoid extinguishing water to release to the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 – Personal precautions, protective equipment and emergency procedures

Use suitable personal protective equipment (see section 8). Ensure adequate ventilation.

6.2 Environmental precautions

Keep the product away from sewers, fluvial and marine water to avoid environmental pollution (in that case, inform respective authorities).

6.3 – Methods and material for containment and cleaning up

In case of spreading on the ground, stem with sand or soil and collect with absorbing material.

Dispose the collected material in disposal container (see Section 13).

6.4 – Reference to other sections

Further information regarding individual protection and disposal are reported in section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 – Precautions for safe handling



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Ensure good ventilation. Avoid eating, drinking and smoking. Use suitable protective clothes (see Section 8). Wash with water and soap after handling: ensure good ventilation of the workplace. Do not smoke and do not use on naked flame. Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C, for example incandescent lamps. Do not pierce or burn. Even after use.

7.2 - Conditions for safe storage, including any incompatibilities

Store in the original tightly sealed receptacle, away from food and beverages and away from the reach of children and domestic animals. Store in a cool location. Protect from direct sunlight. Where applicable, observe official regulations on storing packaging with pressurized containers.

7.3 - Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 - Control parameters

Substance Identifier	Values
TETRAMETHRIN	PNOC breathable fraction: 3 mg/m ³ ; PNOC inhalable fraction: 10 mg/m ³
CHRYSANTHEMUM CINERARIAEFOLIUM, EXT	TWA: ACGIH 1 mg/m ³ (8 ore)
PBO	<p>PNEC in fresh water: 0,003 mg/l PNEC in marine water: 0,0003 mg/l PNEC for fresh water sediment: 0,0194 mg/kg PNEC for marine water sediment: 0,00194 mg/kg PNEC for water, intermittent release: 0,0003 mg/l PNEC for the terrestrial compartment: 0,136 mg/kg</p> <p>DNEL Consumers - Inhalation; Acute local effects: 1,937 mg/m³ Consumers - Dermal; Acute local effects: 0,222 mg/cm² Consumers - Oral; Acute systemic effects: 2,286 mg/kg/d Consumers - Inhalation; Acute systemic effects: 3,874 mg/m³ Consumers - Dermal; Acute systemic effects: 27,776 mg/kg/d Consumers - Inhalation; Chronic local effects: 1,937 mg/m³ Consumers - Dermal; Chronic local effects: 0,222 mg/cm² Consumers - Oral; Chronic systemic effects: 1,143 mg/kg/d Consumers - Inhalation; Chronic systemic effects: 1,937 mg/m³ Consumers - Dermal; Chronic systemic effects: 13,888 mg/kg/d Workers - Inhalation; Acute local effects: 3,875 mg/m³ Workers - Dermal; Acute local effects: 0,444 mg/cm² Workers - Inhalation; Acute systemic effects: 7,750 mg/m³ Workers - Dermal; Acute systemic effects: 55,556 mg/kg/d Workers - Inhalation; Chronic local effects: 0,222 mg/m³ Workers - Dermal; Chronic local effects: 0,444 mg/cm² Workers - Inhalation; Chronic local effects: 3,875 mg/m³ Workers - Dermal; Chronic local effects: 27,778 mg/kg/d</p>
Tetradecane	TLV-TWA (8h.): 1200 mg/m ³



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Pyrethrum 5 mg/m³ (TLV-TWA). Ref. ACGIH (see section 16)

Tridecane TLV-TWA-TLV-STEL-VLE 8 h - VLE short: N.A.

Tetramethrin TLV-TWA - TLV-STEL- VLE 8h- VLE short: N.A.

PBO TLV-TWA - TLV-STEL- VLE 8h- VLE short: N.A.

8.2 - Exposure controls

General protective measures: Use the preparation according the indication contained in this safety sheet.

Use

individual protective devices recommended in this section.

Respiratory protection: In not so ventilated environments, where high percentage of product could be present,

protect adequately the respiratory tract (mask with suitable filter against gas and solvents).

Protection of hands: Use impermeable and chemical substances resistant gloves (EN 374).

Eye protection: Use safety glasses with side protection, in case of possible contact to eyes.

Body protection: If need use protective coats.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Form:	Liquid
Color:	Pale yellow
Odor:	Characteristic
pH:	N.A.
Melting point/freezing point:	0°C
Initial boiling point and boiling range:	>250°C
Flash point:	95°C
Evaporation rate:	N.A.
Flammability (solid, gas):	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure:	N.A.
Vapour density:	N.A.
Relative density:	0,76 g/cm ³
Solubility:	Slight soluble
Partition coefficient: n-octanol/water:	N.A.
Auto-ignition temperature:	>200°C
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	Non-explosive product
Oxidising properties:	N.A.

SECTION 10: STABILITY AND REACTIVITY

10.1 - Reactivity

Not particular reactivity danger with other substances under normal operating conditions.

10.2 - Chemical Stability

Stable under normal operating and storage conditions.



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10.3 - Possibility of hazardous reactions

No dangerous reactions known.

10.4 - Conditions to avoid

Avoid overheating, electrostatic charge, direct exposition to sun and any lighting source.

10.5 - Incompatible materials

Avoid contact with combustible materials. The product may ignite.

10.6 - Hazardous decomposition products

The thermal decomposition causes the formation of hazardous compounds.

SECTION 11: TOXICAL INFORMATION

11.1 - Information on toxicological effects

Mechanism of action: Pyrethrum and tetramethrin acts by keeping the sodium channels open in the neuronal membranes, causing an increased flow of sodium in the cell, maintaining it in a hyper excitability state.

Inhalation	Possible irritations of respiratory tract (in case of continuous inhalation narcotic effects caused by propellants may occur).
Swallowing	Possible irritations, nausea, vomit, abdominal diseases.
Skin contact	Possible irritations.
Eyes contact	Possible irritations.

Toxicological data:

Substance identifier	Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity
Tetramethrin	LD50 Rat: >2000 mg/kg bw	LD50 Rat > 2000mg/kg	LD50 Rat > 5,63 mg/l 4h

-SKIN CORROSION/IRRITATION

Not irritating.

-SERIOUS EYE DAMAGE/IRRITATION

Not irritating.

-RESPIRATORY SENSITISATION

N.A.

- SKIN SENSITISATION

Not sensitising.

-GERM CELL MUTAGENICITY

Non-mutagenic.

-CANCEROGENICITY

Suspected of causing cancer.

-REPRODUCTIVE TOXICITY

Non-toxic to riproduction.

-STOT SE

May cause damage to organs.

-STOT RE

N.A.

-ASPIRATION HAZARD

N.A.



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Substance identifier	Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity
Chrysanthemum cinerariaefolium, ext.	LD50 Rat: 1030 mg/kg	LD50 Rabbit >2000mg/kg	LC50 Rat > 2,3 mg/l 4h

-SKIN CORROSION/IRRITATION

Not irritating.

-SERIOUS EYE DAMAGE/IRRITATION

Not irritating.

-RESPIRATORY SENSITISATION

Not sensitising.

-SKIN SENSITISATION

Sensitising. Local Lymph Nodes Assay (LLNA).

-GERM CELL MUTAGENICITY

Negative.

-CANCEROGENICITY

No evidence of carcinogenicity in animal studies.

-REPRODUCTIVE TOXICITY

No evidence of reproductive toxicity in animal studies.

-STOT SE

N.A.

-STOT RE

N.A.

-ASPIRATION HAZARD

May be fatal if swallowed and enters airways.

Substance identifier	Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity
PBO	LD50 Rat: 4570 mg/kg	LD50 Rabbit >2000mg/kg	LC50 Rat >5,9 mg/l 4h

-SKIN CORROSION/IRRITATION

Not irritating.

-SERIOUS EYE DAMAGE/IRRITATION

Not irritating.

-RESPIRATORY SENSITISATION

Not sensitising.

-SKIN SENSITISATION

N.A.

-GERM CELL MUTAGENICITY

Non-mutagenic.

-CANCEROGENICITY

Non-carcinogenic.

-REPRODUCTIVE TOXICITY

Non-toxic to reproduction.

-STOT SE

None detected.

-STOT RE

None detected.

-ASPIRATION HAZARD

N.A.



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Substance identifier	Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity
Tetradecane	LD50 Rat > 2000 mg/kg bw	LD50 Rabbit > 2000 mg/kg bw	LC50 Rat > 41 ppm

-SKIN CORROSION/IRRITATION

Not irritating.

-SERIOUS EYE DAMAGE/IRRITATION

Not irritating.

-RESPIRATORY OR SKIN SENSITISATION

Not sensitising.

-GERM CELL MUTAGENICITY

Non-mutagenic.

-CANCEROGENICITY

Test performed on similar or equivalent material with a method similar or equivalent to the OECD 453 guideline (Combined Chronic Toxicity / Carcinogenic Studies).

The NOAEC for female rats determined was 2200 mg / m³ which was the largest head concentration. The NOAEC for the determined male rats was 138 mg / m³. The male NOAEC is based on the specific alpha 2u-globulin nephropathy in male rats, this is not relevant for humans since they do not possess this protein. The effects seen on male rats are not to be considered relevant in human exposure.

-REPRODUCTIVE TOXICITY

Test carried out on similar or equivalent material with a method similar or equivalent to the OECD 421 guideline (Reproduction / Development Toxicity Control Test).

The NOAEL for repeated dose toxicity was ≥ 1000 mg / kg / day for both sexes (rat). The NOAEL for reproductive performance was ≥ 1000 mg / kg / day. The NOAEC for developmental toxicity in rats is ≥ 300 ppm (1575 mg / m³) by inhalation. The substance tested is also not teratogenic.

-STOT SE

N.A.

-STOT RE

Oral

Test carried out on similar or equivalent material with a method similar or equivalent to the OECD 408 guideline (Oral Toxicity in Rodents Dose Repeated 90-days). The Level of Adverse Effect Not Observed (NOAEL) for the following oral exposure of material of similar or equivalent structure for 90-days is greater than or equal to 5000 mg / kg / day.

Inhalation

Test carried out on material of similar or equivalent structure, with a method similar or equivalent to the OECD 413 guideline (Subchronic inhalation toxicity: 90-Days). A NOAEC was determined for female rats of ≥ 2200 mg / m³ which was the highest concentration tested. A male NOAEC of 275 mg / m³ was determined. The male NOAEC is based on the male specific nephropathic alpha 2u globulin. No other toxicological effects were noted. Humans do not have alpha 2u-globulin and the observed nephropathy is not relevant to human health.

-RISCHIO DI ASPIRAZIONE

ASPIRATION HAZARD - Category 1

SECTION 12: ECOLOGICAL INFORMATION

The mixture is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.1 - Toxicity

Substance	Species	Time scale	Final point	Toxicity
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FISH				
Chrysanthemum cinerariaefolium, ext	Oncorhynchus mykiss	96 h	LC50	5,2 µg/l
Tetramethrin	Brachydanio rerio	96 h	LC50	0,033 mg/l
PBO	Cyprinodon variegatus	96 h	LC50 NOEC	3,94 mg/l 0,053 mg/l
Tetradecane	Oncorhynchus mykiss	96 h 28 days	LL50 NOELR	803000 mg/l > 1000 mg/l
INVERTEBRATES				
Chrysanthemum cinerariaefolium, ext	Daphnia magna	48 h	EC50	12 µg/l
	Mysid shrimp	96 h	EC50	1,4 µg/l
Tetramethrin	Daphnia magna	48 h	EC50	0,47 mg/l
PBO	Daphnia magna	48 h	EC50 NOEC	0,51 mg/l 0,03 mg/l
Tetradecane	Arcartia tonsa	24-48 h	LL50	> 10000 mg/l
	Daphnia magna	48 h	EL50	> 1000 mg/l
		21 days	NOELR	> 1000 mg/l
	Chaetogammarus marinus	96 h	LC50	> 0.002 mg/l
96 h		LL50	> 1000 mg/l	
Americamysis bahia	96 h	LC50	> 0.002 mg/l	
	96 h	LL50	> 1000 mg/l	
ALGAE				
Tetramethrin	Scenedesmus subspicatus	72 h	EC50 NOEC	1,36 mg/l 0,72 mg/l
PBO	Selenastrum capricornutum	72 h	EC50 NOEC	3,89 mg/l 0,824 mg/l
Tetradecane	Pseudokirchnerella subcapitata	72 h	EL50	>1000 mg/l nominal - cell number
			EL50	>1000 mg/l nominal - growth rate
			NOELR	1000 mg/l nominal - cell number
			NOELR	1000 mg/l
	Skeletonema costatum	24 h	EL50	>100000 mg/l nominal - biomass
			EL50	> 100000 mg/l nominal - growth rate
			EL50	> 100000 mg/l nominal - biomass

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		48 h	EL50	> 100000 mg/l nominal - growth rate
			EL50	> 100000 mg/l (72h) nominal - biomass
		72 ore	EL50	> 100000 mg/l nominal - growth rate
			LOELR	100000 mg/l nominal - biomass
			NOELR	100000 mg/l nominal - growth rate

12.2 - Persistence and degradability

Tetramethrin: the substance is moderately biodegradable under the conditions tested in 28 days. The substance is biodegradable at term for about 20% based on the BOD measurement. Solubility in water. 0.25 mg / l (20 ° C).

Chrysanthemum cinerariaefolium, ext: Not easily biodegradable. Photodegradable.

PBO: not readily biodegradable.

Tetradecane: The tested substance is biodegraded with an extension of 83% after 28% and 86% after 32 days. The data support the characterization of the tested material as rapidly biodegradable (readily biodegradable)

12.3 - Bioaccumulative potential

Tetramethrin: Partition coefficient: n-octanol / water. > 4.09 Log Kow

Chrysanthemum cinerariaefolium, ext: BCF: 471 Lepomis macrochirus - log Pow > 4.

PBO: BCF: 91, 260, 380 - Log Kow > 4,8 (pH 6,5).

Tetradecane: BCF is 962.9 l / kg. This value indicates that tetradecane is not to be considered as a bioaccumulative substance.

12.4 - Mobility in soil

Tetramethrin: the values of Koc (2045; 2754) indicate that the substance is immobile and remains mainly in the soil. Coefficient: 3.3 - 3.4 (Log Koc).

Chrysanthemum cinerariaefolium, ext: readily absorbed in soil.

PBO: mobility of the soil between low and moderate.

Tetradecane: Koc: 758578-log Koc: 5.88

12.5 - Results of PBT and vPvB assessment

Does not contain any substances classified as PBT or vPvB.

12.6 - Other adverse effects

No further information available.

SECTION 13: DISPOSAL CONSIDERATION

13.1 - Waste treatment methods

General recommendation: Recover if possible. Operate according to local and national dispositions in force.



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Containers, even if completely emptied, must not be released to the environment. If they contain residues, they must be classified, stored and sent to an appropriate waste management plant. For a non-professional use the completely empty container can be disposed with household garbage, according to the local dispositions for waste separation.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR/RID/ADN:3082

IMDG: 3082

IATA: 3082

14.2. UN proper shipping name

ADR/RID/ADN: HAZARDOUS MATERIAL FOR THE ENVIRONMENT, LIQUID, N.A.S. Contains (2- (2-butoxyethoxy) ethyl 6-propylpiperonyl ether, pyrethrin)

IMDG: HAZARDOUS MATERIAL FOR THE ENVIRONMENT, LIQUID, N.A.S. Contains (2- (2-butoxyethoxy) ethyl 6-propylpiperonyl ether, pyrethrin)

IATA: HAZARDOUS MATERIAL FOR THE ENVIRONMENT, LIQUID, N.A.S. Contains (2- (2-butoxyethoxy) ethyl 6-propylpiperonyl ether, pyrethrin)

14.3. Transport hazard class(es)

ADR/RID/ADN: 9

IMDG: 9

IATA: 9

14.4. Packing group

ADR/RID/ADN: III

IMDG: III

IATA: III

14.5. Environmental hazards

Marine pollutant

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

SECTION 15: REGULATORY INFORMATION

15.1 – Specific standards and legislation on health, safety and environment for the preparation/substance

Substances in Candidate List (Art. 59 REACH): None. Restrictions on the product or the substances contained according to EC-Regulation 1907/2006 Enclose XVII:None Substances subject to authorization (REACH Enclose XIV):None. Sanitary controls: Workers exposed to this health hazardous chemical agent should undergo to health surveillance performed according to the dispositions of Art. 41 of the proposed Law 81, April 2008, unless risks for safety and health of the workers has been assessed irrelevant, as provided for Art. 224, paragraph 2. Seveso Category: 7b, 9i.

Regulations:

- Regulation (CE) 1272/2008 of European Parliament (CLP);
- Direttiva 98/24/CE - D.Lgs 81/2008;

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ORMA S.r.l.

Sede legale: Corso Matteotti n. 57, 10121 Torino

Sede amministrativa e commerciale

Via A. Chiribiri 2 - 10028 Trofarello (TO) - (ITALIA)

Tel. +39 0116499064 - Fax +39 0116804102 - E-mail: aircontrol@ormatorino.it



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- Regulation (CE) 1907/2006 (REACH);
- Regulation (CE) 790/2009 of European Parliament (I Atp. CLP);
- Regulation (CE) 453/2010 of European Parliament;
- Banca dati sulle sostanze GESTIS - IFA (Institute für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung).
- Regulation (CE) 830/2015 of European Parliament
- Regulation (UE) 1179/2016 (9° ATP CLP);
- Biocidal Products Committee (BPC) opinion June 2016
- The E-Pesticide Manual Versione 2.1 (2001)
- Directive 2006/8/CE
- Regulation 1907/2006/CE
- Regulation (CE) 1272/2008
- Regulation (CE) 2016/918
- Regulation (UE) 528/2012
- Regulation (CE) 790/2009 (1° ATP CLP)
- Regulation (UE) 286/2011 (2° ATP CLP)
- Regulation (UE) 618/2012 (3° ATP CLP)
- Regulation (UE) 487/2013 (4° ATP CLP)
- Regulation (UE) 944/2013 (5° ATP CLP)
- Regulation (UE) 605/2014 (6° ATP CLP)
- Regulation (UE) 1221/2015 (7° ATP CLP)
- Regulation (UE) 918/2016 (8° ATP CLP)
- Regulation (UE) 918/2016 (8° ATP CLP)
- Regulation(UE) 1179/2016 (9° ATP CLP)
- Regulation (UE) 776/2017 (10° ATP CLP)
- Directive 2012/18/UE (Seveso III)

15.2 - Chemical safety assessment

A chemical safety assessment for the product has been not elaborated. This information is based on our present knowledge and experience and it is not exhaustive. Unless contrary indications this information should be applied to the product as conform to its specifications. In case of mixing or combinations, assure, that a new danger could not appear. However the user have the responsibility for assuring the suitability and the completeness of the information, in particular referring to its proper use. It does not except in any case the user from observing all the laws and the regulations relating to the product, hygiene, workers safety and environmental protection. For further information regarding the preparation, consult the label on the packaging.

SECTION 16: OTHER INFORMATION

This safety data sheet cancels and replaces the previous version 1 dated 05/06/2014. All the sheet sections has been subjected to modifications.

Hazard indication text (H) mentioned on sheet section 2-3

Asp. Tox. 1 - Aspiration hazard, Category 1

Aquatic Acute 1 - Hazardous to the aquatic environment, acute toxicity Category 1

Aquatic Chronic 1 - Hazardous to the aquatic environment, chronic toxicity Category 1

Eye Irr.2A - Eye Irritation, Category 2A

Inhal., Ac. Tox. 4 - Inhalation, Acute Toxicity, Category 4

Oral, Ac. Tox. 4 - Oral, Acute Toxicity, Category 4

Skin Irr. 2 - Skin Irritation, Category 2

Skin Sens 1B - Skin Sensitization 1B

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Sede legale: Corso Matteotti n. 57, 10121 Torino

Sede amministrativa e commerciale

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STOT SE 2: Specific Target Organ Toxicity After Single Exposure- Respiratory, Category 2
STOT SE 3 - Specific Target Organ Toxicity, Single Exposure; Respiratory tract irritation; Category 3
Carc. 2: carcinogenicity, Category 2

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H371 May cause damage to organs (nervous system, inhalation).
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Note (sezione 8): TLV-TWA (Threshold Limit Value -Time Weighted Average): valori limite ponderati nelle 8 ore. TLV-STEL (Threshold Limit Value - Short Time Exposure Limit), valore massimo consentito per esposizioni brevi.
Alla sezione 8 viene citata l'ACGIH (American Conference of Governmental Industries Hygienists). I dati relativi ai valori limite di soglia (TLV-TWA) sono tratti dal supplemento al Vol. 3, n° 1 del Giornale degli igienisti industriali (AIDII) pubblicato nel 2012 e si riferiscono ai valori ACGIH del 2012.

Modify sections: 2, 3, 8, 11, 12, 16.