

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 1 of 13
Print date: 13/06/2021

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: Oxi...No rust transformer

1.2 Relevant identified uses of the mixture and uses advised against.

Liquid for application on surfaces with ferric oxide.

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: Werku Tools SA
Address: Carretera N-VI km 586
City: 15176 Oleiros
Province: La Coruña - España
Telephone: +34 981 648 119
Fax: +34 981 610 639
E-mail: Info@werku.com
Web: www.werku.com / www.oxino.com

1.4 Emergency telephone number: +34 981 648 119 (Only available during office hours; Monday-Friday; 08:00-17:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:
Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.
Eye Irrit. 2 : Causes serious eye irritation.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Signal Word:

Warning

H statements:

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

P statements:

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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 2 of 13
Print date: 13/06/2021

P501 Dispose of contents / container in an appropriate waste disposal system.

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	specific concentration limit
Index No: 603-002-00-5 CAS No: 64-17-5 EC No: 200-578-6 Registration No: 01-2119457610-43-XXXX	[1] ethanol,ethyl alcohol	10 - ≤15%	Eye Irrit. 2, H319 - Flam. Liq. 2, H225	-
CAS No: 77-92-9 EC No: 201-069-1 Registration No: 01-2119457026-42-XXXX	Citric acid	1 - ≤10%	Eye Irrit. 2, H319	-
Index No: 603-117-00-0 CAS No: 67-63-0 EC No: 200-661-7 Registration No: 01-2119457558-25-XXXX	[1] isopropanol,isopropyl alcohol,propan-2-ol	1 - ≤10%	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-
CAS No: 149-91-7 EC No: 205-749-9	3,4,5-trihydroxybenzoic acid	1 - <5%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - STOT SE 3, H335	-
Index No: 015-011-00-6 CAS No: 7664-38-2 EC No: 231-633-2 Registration No: 01-2119485924-24-XXXX	[1] phosphoric acid, orthophosphoric acid	0 - <3%	Skin Corr. 1B, H314	Skin Corr. 1B, H314: C ≥ 25 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 %
Index No: 029-004-00-0 CAS No: 7758-98-7 EC No: 231-847-6 Registration No: 01-2119520566-40-XXXX	copper sulphate	0.25 - <1.5%	Acute Tox. 4 *, H302 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-

(*)The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 3 of 13
Print date: 13/06/2021

[1] Substance with a Community workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

The product does not present any particular risk in case of fire.

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 4 of 13
Print date: 13/06/2021

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.
For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills. The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Professional and domestic use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
ethanol, ethyl alcohol	64-17-5	United Kingdom [1]	Eight hours	1000	1920
			Short term		
isopropanol, isopropyl alcohol, propan-2-ol	67-63-0	United Kingdom [1]	Eight hours	400	999
			Short term	500	1250
phosphoric acid, orthophosphoric acid	7664-38-2	European Union [2]	Eight hours		1
			Short term		2
		United Kingdom [1]	Eight hours		1
			Short term		2

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 5 of 13
Print date: 13/06/2021

[1] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.
 [2] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
ethanol,ethyl alcohol CAS No: 64-17-5 EC No: 200-578-6	DNEL (Workers)	Inhalation, Long-term, Systemic effects	950 (mg/m ³)
isopropanol,isopropyl alcohol,propan-2-ol CAS No: 67-63-0 EC No: 200-661-7	DNEL (Workers)	Inhalation, Long-term, Systemic effects	500 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	89 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	888 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	319 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	26 (mg/kg bw/day)
phosphoric acid, orthophosphoric acid CAS No: 7664-38-2 EC No: 231-633-2	DNEL (Workers)	Inhalation, Long-term, Local effects	1 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	0,73 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	2 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
ethanol,ethyl alcohol CAS No: 64-17-5 EC No: 200-578-6	Fresh water	0,96 (mg/L)
	Marine water	0,79 (mg/L)
	aqua (intermittent releases)	2,75 (mg/L)
	Soil	0,63 (mg/kg soil dw)
	sediment (freshwater)	3,6 (mg/kg sediment dw)
isopropanol,isopropyl alcohol,propan-2-ol CAS No: 67-63-0 EC No: 200-661-7	aqua (freshwater)	140,9 (mg/L)
	aqua (marine water)	140,9 (mg/L)
	aqua (intermittent releases)	140,9 (mg/L)
	sediment (freshwater)	552 (mg/kg sediment dw)
	sediment (marine water)	552 (mg/kg sediment dw)
	Soil	28 (mg/kg soil dw)
	PNEC STP	2251 (mg/L)
PNEC oral (Hazard for predators)	160 (mg/kg food)	
copper sulphate CAS No: 7758-98-7 EC No: 231-847-6	aqua (freshwater)	7,8 (µg/L)
	aqua (marine water)	5,2 (µg/L)
	PNEC STP	230 (µg/L)
	sediment (freshwater)	87 (mg/kg sediment dw)

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 6 of 13
Print date: 13/06/2021




	sediment (marine water)	676 (mg/kg sediment dw)
	soil	65 (mg/kg soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %		
Uses:	Liquid for application on surfaces with ferric oxide.		
Breathing protection:			
PPE:	Particle filter mask		
Characteristics:	«CE» marking, category III. Made of filtering material, it covers nose, mouth and chin.		
CEN standards:	EN 149		
Maintenance:	Check for any tears, defects, etc. before use. Since it is disposable individual protection equipment, it should be replaced after use.		
Observations:	Does not protect worker unless properly adjusted. Follow the manufacturer's instructions regarding suitable use of the equipment.		
Filter Type needed:	P2		
Hand protection:			
PPE:	Protective gloves.		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
Eye protection:			
PPE:	Protective goggles against particle impacts.		
Characteristics:	«CE» marking, category II. Eye protector against dust and smoke.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
Skin protection:			
PPE:	Protective clothing.		
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.		
CEN standards:	EN 340		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 7 of 13
Print date: 13/06/2021

9.1 Information on basic physical and chemical properties.

Appearance: Liquid
Colour: Brown
Odour: Soft odor similar to alcohol
Odour threshold: N.A./N.A.
pH: 2,10
Melting point: N.A./N.A.
Boiling Point: N.A./N.A.
Flash point: N.A./N.A.
Evaporation rate: N.A./N.A.
Inflammability (solid, gas): N.A./N.A.
Lower Explosive Limit: N.A./N.A.
Upper Explosive Limit: N.A./N.A.
Vapour pressure: 25,619
Vapour density: N.A./N.A.
Relative density: 0,976 g/cm³
Solubility: 100%
Liposolubility: N.A./N.A.
Hydrosolubility: 100%
Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: N.A./N.A.
Decomposition temperature: N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: N.A./N.A.
Oxidizing properties: N.A./N.A.
N.A./N.A. = Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Pour point: N.A./N.A.
Blink: N.A./N.A.
Kinematic viscosity: N.A./N.A.
N.A./N.A. = Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Unstable in contact with:
- Bases.

10.3 Possibility of hazardous reactions.

Neutralization can occur on contact with bases.

10.4 Conditions to avoid.

- Avoid contact with bases.

10.5 Incompatible materials.

Avoid the following materials:
- Bases.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:
- Corrosive vapors or gases.

SECTION 11: TOXICOLOGICAL INFORMATION.

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 8 of 13
Print date: 13/06/2021

IRRITANT PREPARATION. Splatters in the eyes can cause irritation.

11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
isopropanol, isopropyl alcohol, propan-2-ol CAS No: 67-63-0 EC No: 200-661-7	Oral	LD50	Rat	5050 mg/kg bw [1]
		[1] <i>Gigiena i Sanitariya</i> . For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978		
	Dermal	LD50	Rabbit	12800 mg/kg bw [1]
phosphoric acid, orthophosphoric acid CAS No: 7664-38-2 EC No: 231-633-2	Oral	LD50	Rat	1530 mg/kg bw [1]
		[1] BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol. 17-4/1970		
	Dermal	LD50	Rabbit	2740 mg/kg bw [1]
copper sulphate CAS No: 7758-98-7 EC No: 231-847-6	Oral	LD50	Rat	300 mg/kg bw [1]
		[1] <i>Agricultural Chemicals</i> , Thomson, W.T., 4 vols., Fresno, CA, Thomson Publications, 1976/77 revision Vol. 2, Pg. 182, 1977		
	Dermal	LD50	Rat	2000 mg/kg [1]
		[1] <i>Nippon Noyaku Gakkaishi</i> . Journal of the Pesticide Science Society of Japan. Vol. 18, Pg. S161, 1993.		
	Inhalation	LC50	mouse	>10000 ppm (6 h) [1]
	Inhalation	[1] OECD Guideline 403 (Acute Inhalation Toxicity), study report, 1991		

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 9 of 13
Print date: 13/06/2021

f) carcinogenicity;
 Not conclusive data for classification.

g) reproductive toxicity;
 Not conclusive data for classification.

h) STOT-single exposure;
 Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;
 Not conclusive data for classification.

j) aspiration hazard;
 Not conclusive data for classification.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
isopropanol, isopropyl alcohol, propan-2-ol CAS No: 67-63-0 EC No: 200-661-7	Fish	LC50	Fish	9640 mg/l (96 h) [1] [1] Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (<i>Pimephales promelas</i>), Vol. 1. Center for Lake Superior Environmental Stud., Univ. of Wisconsin-Superior, Superior, WI :414
	Aquatic invertebrates	LC50	Crustacean	1400 mg/l (48 h) [1] [1] Blackman, R.A.A. 1974. Toxicity of Oil-Sinking Agents. <i>Mar. Pollut. Bull.</i> 5:116-118
	Aquatic plants	Toxicity threshold	<i>Scenedesmus quadricauda</i>	1800 mg/L (7 d) [1] [1] Comparison of the Toxicity Thresholds of Water Pollutants to Bacteria, Algae, and Protozoa in the Cell Multiplication Inhibition Test, <i>Water Research</i> Vol. 14. pp. 231 to 241
phosphoric acid, orthophosphoric acid CAS No: 7664-38-2 EC No: 231-633-2	Fish	LC50	<i>Oryzias latipes</i>	75.1 mg/L (96 h) [1] [1] summary of study report, 2005
	Aquatic invertebrates	EC50	<i>Daphnia magna</i>	>100 mg/L (48 h) [1] [1] study report, 2010
	Aquatic plants	EC50	<i>Desmodesmus subspicatus</i>	>100 mg/L (72 h) [1] [1] study report, 2010
copper sulphate	Fish	LC50	Fish	0,31 mg/l (96 h) [1]
		LC50	Fish	0,89 mg/l (96 h) [2]

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 10 of 13
Print date: 13/06/2021

CAS No: 7758-98-7 EC No: 231-847-6		<p>[1] Erickson, R.J., D.A. Benoit, V.R. Mattson, H.P. Nelson Jr., and E.N. Leonard 1996. The Effects of Water Chemistry on the Toxicity of Copper to Fathead Minnows. Environ.Toxicol.Chem. 15(2):181-193. Yang, H.N., and H.C. Chen 1996. The Influence of Temperature on the Acute Toxicity and Sublethal Effects of Copper, Cadmium and Zinc to Japanese Eel, Anguilla japonica. Acta Zool.Taiwanica 7(1):29-</p> <p>[2] Soucek, D.J., and G.P. Noblet 1998. Copper Toxicity to the Endoparasitic Trematode (Posthodiplostomum minimum) Relative to Physid Snail and Bluegill Sunfish Intermediate Hosts. Environ.Toxicol.Chem. 17(12):2512-2516</p>
	Aquatic invertebrates	<p>LC50 Crustacean 0,07 mg/l (48 h) [1] EC50 Crustacean 0,06 mg/l (48 h) [2]</p> <p>[1] Cairns, J., A.L.Jr Buikema, A.G. Heath, and B.C. Parker 1978. Effects of Temperature on Aquatic Organism Sensitivity to Selected Chemicals. Va.Water Resour.Res.Center, Bull.106, Office of Water Res.and Technol., OWRT Project B-084-VA, VA.Polytech.Inst.State Univ., Blacksburg, VA :1-88</p> <p>[2] Lalonde, M., and B. Pinel-Alloul 1984. Heavy Metals Toxicity on Planktonic Crustacea of the Quebec Lakes (Toxicite des Metaux Lourds sur les Crustaces Planctoniques des Lacs du Quebec). Sci.Tech.Eau 17(3):253-259 (FRE) (ENG ABS)</p>
	Aquatic plants	<p>EC50 Algae 0,07 mg/l (72 h) [1] EC50 Algae 0,05 mg/l (96 h) [2]</p> <p>[1] Vasseur, P., P. Pandard, and D. Burnel 1988. Influence of Some Experimental Factors on Metal Toxicity to Selenastrum capricornutum. Toxic.Assess. 3(3):331-444. Schafer, H., A. Wenzel, U. Fritsche, G. Roderer, and W. Traunspurger 1993. Long-Term Effects of Selected Xenobiotica on Freshwater Green Algae: Development of a Flow-Through Test System. Sci.Total Environ. Suppl.:735-740</p> <p>[2] Blaise, C., R. Legault, N. Birmingham, R. Van Coillie, and P. Vasseur 1986. A Simple Microplate Algal Assay Technique for Aquatic Toxicity Assessment. Toxic.Assess. 1:261-281</p>

12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.

No information is available regarding the degradability of the substances present.No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
ethanol,ethyl alcohol N. CAS: 64-17-5 EC No: 200-578-6	-0,3	-	-	Very low
Citric acid	-1,57	-	-	Very low

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 11 of 13
Print date: 13/06/2021

N. CAS: 77-92-9	EC No: 201-069-1				
isopropanol, isopropyl alcohol, propan-2-ol		0,05	-	-	Very low
N. CAS: 67-63-0	EC No: 200-661-7				
3,4,5-trihydroxybenzoic acid		0,7	-	-	Very low
N. CAS: 149-91-7	EC No: 205-749-9				

12.4 Mobility in soil.

No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR: Transportation is not dangerous.

IMDG: Transportation is not dangerous.

ICAO/IATA: Transportation is not dangerous.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

14.6 Special precautions for user.

Transportation is not dangerous.

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

Transportation is not dangerous.

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer



Version: 1
Issue date: 19/10/2017

Page 12 of 13
Print date: 13/06/2021

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 4 : Acute toxicity (Oral), Category 4

Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1

Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1

Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3

Eye Irrit. 2 : Eye irritation, Category 2

Flam. Liq. 2 : Flammable liquid, Category 2

Skin Corr. 1B : Skin Corrosive, Category 1B

Skin Irrit. 2 : Skin irritant, Category 2

STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
64-17-5	ethanol,ethyl alcohol	Registered
77-92-9	Citric acid	Registered
67-63-0	isopropanol,isopropyl alcohol,propan-2-ol	Registered
149-91-7	3,4,5-trihydroxybenzoic acid	Registered
7664-38-2	phosphoric acid, orthophosphoric acid	Registered

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

Oxi...No rust transformer

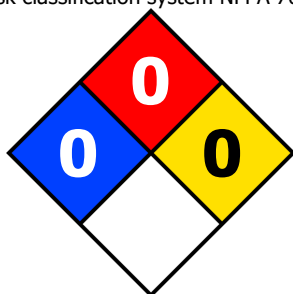


Version: 1
Issue date: 19/10/2017

Page 13 of 13
Print date: 13/06/2021

7758-98-7	copper sulphate	Registered
-----------	-----------------	------------

Risk classification system NFPA 704:



Health hazard: 0 (Normal Material)

Flammability: 0 (Will not burn)

Reactivity: 0 (Stable)

Abbreviations and acronyms used:

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water.

NOEC: No observed effect concentration.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.