



Safety Data Sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878,
without any country-specific legislation

SINTOCUT PRO MIX

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

1.1 Product identifier: SintoCut PRO MIX

Other means of identification:

UFI: 2M30-508R-H00U-MUA7

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

Relevant uses (Industrial user): Cutting oil

For Industrial user only.

The product is not considered hazardous when used emulsified/diluted with water at concentrations below 30%, much higher than the usual ones recommended for use (see section 15.1).

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

ELITE Machines, S.L.U.

Joan Oró 27, Pol. Ind. Sesrovires, ES-08635, Sant Esteve Sesrovires

Barcelona – Spain

+34 932 935 178

1.4 Emergency telephone number: +34 915 620 420 – Spanish National Institute of Toxicology

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Acute Tox. 4: Acute toxicity if swallowed, Category 4,

H302 Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3

H412 Repr. 2: Reproductive toxicity, Category 2, H361d

2.2 CLP Regulation (EC) No 1272/2008:

Hazard statements:

Warning



Hazard statements:

Acute Tox. 4: H302 – Nocivo en caso de ingestión

Aquatic Chronic: H412 – Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

Repr. 2: H361d - Se sospecha que daña al feto

Precautionary statements:

P201: Obtain special instructions before use.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.



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SINTOCUT PRO MIX**Substance that contribute to the classification**

2,2'-oxybisethanol; Tolyltriazole

UFI: 2M30-508R-H00U-MUA7**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**3.1 Substance:**

Not relevant

3.2 Mixture:**Chemical description:** Miscellaneous products**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 111-46-6 CE: 203-872-2 Index: 603-140-00-6 REACH: 01-2119457857-21-XXXX	2,2'-Oxibisetanol⁽¹⁾ ATP CLP00 Regulation 1272/2008 - Acute Tox. 4: H302 - Warning	5 - <25 %
CAS: 29385-43-1 CE: 249-596-6 Index: No aplicable REACH: 01-2119979081-35-XXXX	Tolyltriazole⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Chronic 2: H411; Repr. 2: H361d - Warning	5 - <25 %
CAS:3811-73-2 CE:223-296-5 Index: 13-344-00-7 REACH: 01-2119493385-28-XXXX	Pyridine-2-thiol 1-oxide, sodium salt⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 3: H311; Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Danger XXXX	<1 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	M-Factor	
Pyridine-2-thiol 1-oxide, sodium salt CAS: 3811-73-2 EC: 223-296-5	Acute	100
	Chronic	10



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Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute Toxicity		Genus
	Route	Value	
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	LD50 oral	500 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	
Tolyltriazole CAS: 29385-43-1 CE: 249-596-6	LD50 oral	720 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	
Pyridine-2-thiol 1-oxide, sodium salt CAS: 3811-73-2 CE: 223-296-5	LD50 oral	1208 mg/kg	Rat
	LD50 dermal	300 mg/kg	
	LC50 inhalation vapour	10,155 mg/L*	

* Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant



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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) Additional provisions:

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.



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Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use:

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene:

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks:

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C (Celsius degrees)
Maximum Temp.: 30 °C (Celsius degrees)
Maximum time: 18 months

B.- General conditions for storage:

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	43 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	44 mg/m ³	60 mg/m ³
Tolyltriazole CAS: 29385-43-1 CE: 249-596-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,3 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	21,2 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	21 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	12 mg/m ³	12 mg/m ³
Tolyltriazole CAS: 29385-43-1 CE: 249-596-6	Oral	Not relevant	Not relevant	0,01 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,01 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,35 mg/m ³	Not relevant



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PNEC:

Identification				
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	STP	199,5 mg/L	Fresh water	10 mg/L
	Soil	1,53 mg/kg	Marine water	1 mg/L
	Intermittent	10 mg/L	Sediment (Fresh water)	20,9 mg/kg
	Oral	Not relevant	Sediment (Marine water)	2,09 mg/kg
Tolyltriazole CAS: 29385-43-1 CE: 249-596-6	STP	39,4 mg/L	Fresh water	0,008 mg/L
	Soil	0,0187 mg/kg	Marine water	0,02 mg/L
	Intermittent	0,086 mg/L	Sediment (Fresh water)	0,117 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,292 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

If product is used at the concentration dosing conditions specified in the relevant instructions for use (section 15), personal protective equipment described in section 8.2 for UNDILUTED products will not be required.

Safe handling recommendations for undiluted product:

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	EPI	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.



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C.- Specific protection for the hands

Pictogram	EPI	Labelling	CEN Standard	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves		EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN ISO 21420:2020	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection:

Pictogram	EPI	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield		EN 166:2002 UNE-EN ISO 18526-1 al 4:2020 UNE-EN ISO 18526-1 al 4:2020 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection:

Pictogram	EPI	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks		EN 13034:2005+A1:2009 UNE-EN ISO 18526-1 al 4:2020 EN ISO 139821:2005/A1:2011 EN ISO 6529:2013 EN ISO 6530:2005 EN 464:1995	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk		EN ISO 20345:2022 EN 13832-1:2019	Replace boots at any sign of deterioration.



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F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

En aplicación al R.D. 117/2003 y posteriores modificaciones (Directiva 2010/75/EU), este producto presenta las siguientes características:

V.O.C. (Supply):	0% weight
V.O.C. density at 20 °C:	0 kg/m ³ (0 g/L)
Average carbon number:	Not relevant.
Average molecular weight:	No relevant.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet:

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Oily
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not relevant*

Volatility

Boiling point at atmospheric pressure:	Not relevant*
Vapour pressure at 20 °C:	Not relevant*
Vapour pressure at 50°C:	11271,57 Pa (11,27 kPa)
Evaporation rate at 20°C:	Not relevant*

Product description:

Density at 20°C:	1080 - 1120 kg/m ³
Relative density at 20°C:	Not relevant*
Dynamic viscosity at 20°C:	Not relevant*
Kinematic viscosity at 20°C:	Not relevant*
Kinematic viscosity at 40°C:	Not relevant*
Concentration:	Not relevant*



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pH:	9,2 - 9,4 (at 5 %)
Vapour density at 20°C:	Not relevant*
Partition coefficient n-octanol/water 20 °C:	Not relevant*
Solubility in water at 20 °C:	No relevante*
Solubility properties:	Water-soluble
Decomposition temperature:	Not relevant*
Melting point/freezing point:	Not relevant*

Flammability:

Flammability (solid, gas):	Not relevant*
9.2 Flash point:	Not flammable (>60 °C)
Autoignition temperature:	Not relevant*
Lower flammability limit:	Not relevant*
Upper flammability limit:	Not relevant*

Particle characteristics:

Median equivalent diameter:	Not relevant*
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9.3 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant*
Oxidising properties:	Not relevant*
Corrosive to metals:	Not relevant*
Heat of combustion:	Not relevant*
erosols-total percentage (by mass) of flammable components:	Not relevant*

Other safety characteristics:

Surface tension at 20 °C:	Not relevant*
Refraction index:	Not relevant*

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong basis

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A.- Ingestion (acute effect):

- Acute toxicity: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B.- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C.- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.

- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D.- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.

IARC: Not relevant



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- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Reproductive toxicity: Suspected of damaging the unborn child. E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances::

Identification	Acute toxicity	Genus
2,2' -oxybisethanol CAS: 111-46-6 CE: 203-872-2	LD50 oral: 500 mg/kg	Rat
	LD50 dermal: 11890 mg/kg	Rabbit
	LC50 inhalation:	
	LC50 inhalation vapour:	
Tolyltriazole CAS: 29385-43-1 CE: 249-596-6	LD50 oral: 720 mg/kg	Rat
	LD50 dermal:	
	LC50 inhalation:	
	LC50 inhalation vapour:	
Pyridine-2-thiol 1-oxide, sodium salt CAS: 3811-73-2 CE: 223-296-5	LD50 oral: 1208 mg/kg	Rat
	LD50 dermal: 300 mg/kg	
	LC50 inhalation:	
	LC50 inhalation vapour:	



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SINTOCUT PRO MIX**11.2 Information on other hazards:****Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available
Harmful to aquatic life with long lasting effects.

**12.1 Toxicity:
Acute toxicity:**

Identification	Concentration		Species	Genus
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	LC50	32000 mg/L (96 h)	Gambusia affinis	Fish
	EC50	84000 mg/L (48 h)	Daphnia magna	Crustacean
	CE50	Not relevant		
Tolyltriazole CAS: 29385-43-1 CE: 249-596-6	LC50	55 mg/L (96 h)	Cyprionodon variegatus	Fish
	EC50	9 mg/L (48 h)	Daphnia galeata	Crustacean
	EC50	75 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Pyridine-2-thiol 1-oxide, sodium salt CAS: 3811-73-2 CE: 223-296-5	LC50	0,0073 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	0,0022 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Not relevant		

Chronic toxicity:

Identification	Concentration		Species	Genus
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	NOEC	Not relevant		
	NOEC	8590mg/L	Ceriodaphnia dubia	Crustacean
Pyridine-2-thiol 1-oxide, sodium salt CAS: 3811-73-2 CE: 223-296-5	NOEC	>0,01 – 0,1 mg/L		Fish
	NOEC	>0,01 – 0,1 mg/L		Crustacean

12.2. Persistence and degradability:**Substance-specific information:**

Identification	Degradability	Biodegradability
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	BOD5: 0.05 g O ₂ /g COD: 1,51 g O ₂ /g BOD5/COD: 0.03	Concentration: 100 mg/L Period: 28 days % Biodegradable: 90 %
Pyridine-2-thiol 1-oxide, sodium salt CAS: 3811-73-2 CE: 223-296-5	BOD5: Not relevant COD: Not relevant BOD5/COD: Not relevant	Concentration: 100 mg/L Period: 28 days % Biodegradable: 4 %



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Bioaccumulative potential: Substance-specific information:

Identification	Bioaccumulation potential
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	BCF: 0 Log POW: -1,47 Potential: Low

Mobility in soil:

Identification	Absorption/Desorption		Volatility	
2,2'-oxybisethanol CAS: 111-46-6 CE: 203-872-2	Koc	1	Henry	2,06E-4 Pa·m ³ /mol
	Conclusión	Very High	Dry soil	Not relevant
	Surface tension	4,954E-2 N/m (25 °C)	Moist soil	Not relevant
Metil-1H-benzotriazol CAS: 29385-43-1 CE: 249-596-6	Koc	90	Henry	Not relevant
	Conclusión	Very High	Dry soil	Not relevant
	Tensión superficial	Not relevant	Moist soil	Not relevant

12.2 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.3 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.4 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
13 08 99*	Waste not otherwise specified	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP6 Acute Toxicity, HP10 Toxic for reproduction

13.2 Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014



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SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Pyridine-2thiol 1-oxide, sodium salt.
- Article 95, REGULATION (EU) No 528/2012: Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2) - PT: (2,6,7,9,10,13)
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, —tricks and jokes, —games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Relevant instructions for use:

Not classified as hazardous below 50%

Use concentration 5-10%

Other legislation:

The product could be affected by sectorial legislation.

15.2 Chemical safety assesstment:

The supplier has not carried out evaluation of chemical safety.



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SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:
COMMISSION REGULATION (EU) 2020/878

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.

H361d: Suspected of damaging the unborn child.

H302: Harmful if swallowed.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

Modificaciones respecto a la ficha de seguridad anterior que afectan a las medidas de gestión del riesgo:

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H311 - Toxic in contact with skin.

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Repr. 2: H361d - Suspected of damaging the unborn child.

Skin Irrit. 2: H315 - Causes skin irritation.

Classification procedure:

Aquatic Chronic 3: Calculation method

Repr. 2: Calculation method

Acute Tox. 4: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

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

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50



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LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -