

MATERIAL SAFETY DATA SHEET

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

1.1. Product identifier.

Product name **Top Coating 2.0**

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

Intended use **Industrial user**

1.3. Details of the supplier of the safety data sheet.

Name: **S. Roque – Máquinas e Tecnologia Laser, S.A.**
Full Address: **Rua das Ribes 400, Oliveira S. Mateus**
4765-774 Oliveira S. Mateus
Vila Nova de Famalicão
Portugal

Email: **geral@rooqdigital.com**

Telephone: **+351 252980500**

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.

Eye Irrit. 2: Eye irritation, Category 2, H319

Skin Irrit. 2: Skin irritation, Category 2, H315

2.2. Label elements.

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation

Skin Irrit. 2: H315 - Causes skin irritation

Precautionary statements:

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302+P352: IF ON SKIN: Wash with plenty of water

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332+P313: If skin irritation occurs: Get medical advice/attention

P337+P313: If eye irritation persists: Get medical advice/attention

Supplementary information:

EUH204: Contains isocyanates. May produce an allergic reaction.

EUH208: Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3. Other hazards.

Product fails to meet PBT/vPvB criteria

The product does not meet the criteria due to its endocrine disrupting properties.

SECTION 3. Composition/information on ingredients.

3.1. Substance.

Non-applicable

3.2. Mixture:

Chemical description: Mixture composed of resins

Components:

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

Identification	Chemical name/classification	Concentration
CAS: 108-01-0 EC: 203-542-8 Index 603-047-00-0 REACH 01-2119492298-24-XXXX	2-dimethylaminoethanol ⁽¹⁾ Regulation 1272/2008 AcuteTox. 4: H302+H312+H332; Flam. Liq. 3: H226; Skin Corr. 1B: H314 – Danger	ATP CLP00 1 - <2,5%
CAS: 13463-41-7 EC: 236-671-3 Index 613-333-00-7 REACH 01-2119511196-46-XXXX	Pyrithione zinc ⁽¹⁾ Regulation 1272/2008 Acute Tox. 2: H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Repr. 1B: H360D; STOT RE 1: H372 -Danger	ATP ATP1 <0,005%
CAS: 55965-84-9 EC: Non- applicable Index 613-167-00-5 REACH Non- applicable	Reaction mass of 5-chloro-2methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) ⁽¹⁾ Regulation 1272/2008 Acute Tox. 2: H310+H330; Acute Tox3: H301; Aquatic Acute1: H400; Aquatic Chronic 1: H410; Eye dam. 1: H318 - ; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 -Danger	ATP ATP1 <0,005%

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other informations:

Identification	Factor-M	
	Acute	Chronic
Pyrithione zinc CAS: 13463-41-7 EC: 236-671-3	1000	10
Reaction mass of 5-chloro-2methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not applicable	100	100

Identification	Specific concentration limit
2- dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	% (p/p) >=5: STOT SE 3 - H335
Reaction mass of 5-chloro-2methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not applicable	% (p/p) >=0,6: Skin Corr. 1C - H314 0,06<= % (p/p) <0,6: Skin Irrit. 2 - H315 % (p/p) >=0,6: Eye Dam. 1 - H318 0,06<= % (p/p) <0,6: Eye Irrit. 2 - H319 % (p/p) >=0,0015: Skin Sens. 1A - H317

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:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.



YOUR PARTNER IN PRINT

Revision nr. 1;
Dated 09/03/2021;
Printed on 09/03/2021;
Page n. 3/10

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.

Non-applicable

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems

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 (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

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

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency response personnel:
See SECTION 8.

6.2. Environmental precautions

It is recommended to avoid environmental spillage of both the product and its container

6.3. Methods and material for containment and cleaning up

It is recommended:
Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

A. - Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6).

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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2. Conditions for safe storage, including any incompatibilities

A.- Technical measures for storage

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C

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.

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 occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	1,2 mg/kg	Non-applicable	0,25 mg/kg	Non-applicable
	Inhalation	5,28 mg/m ³	13,53 mg/m ³	1,76 mg/m ³	1,76 mg/m ³
Pyrithione zinc CAS: 13463-41-7 EC: 236-671-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,01 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable

DNEL (General population):

Identificação		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	Oral	Non-applicable	Non-applicable	0,126 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,438 mg/m ³	Non-applicable

PNEC:

Identification				
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	STP	10 mg/L	Fresh water	0,066 mg/L
	Soil	0,01 mg/kg	Marine water	0,004 mg/L
	Intermittent	0,661 mg/L	Sediment (Fresh water)	0,246 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,015 mg/kg
Pyrithione zinc CAS: 13463-41-7 EC: 236-671-3	STP	0,01 mg/L	Fresh water	0,00009 mg/L
	Soil	1,02 mg/kg	Marine water	0,00009 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,009 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,009 mg/kg

8.2. Exposure controls



A.- General security and hygiene measures in the work place

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



The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands


Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.5 mm)		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

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



D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections		EN 166:2001 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	PPE	Labelling	CEN standards	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

- V.O.C. (Supply): 1,1 % weight
- V.O.C. density at 20 °C: 11,49 kg/m³ (11,49 g/L)
- Average carbon number: 4
- Average molecular weight: 89,1 g/mol

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Physical state at 20 °C
Appearance:
Color
Odor:
Olfactory threshold:

Liquid
Paste
White
Not available.
Not relevant*

Volatility:

Boiling temperature at atmospheric pressure:	110 °C
Vapor pressure at 20 °C:	2297 Pa
Vapor pressure at 50 °C:	12106,72 Pa (12,11 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product Characterization:

Density at 20 °C:	1044,6 kg/m ³
Relative density at 20 °C:	1,045
Dynamic viscosity at 20 °C:	29600 - 32800 cP
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	>20,5 mm ² /s
Concentration:	Not relevant *
pH:	8 - 10
Vapor density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility property:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Ignition temperature:	Non-flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Auto-ignition temperature:	229 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle features:

Median Equivalent Diameter:	Not applicable
-----------------------------	----------------

9.2 Other information:

Information regarding physical hazard classes:

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

Other security features:

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

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.

10.2. Chemical stability

Chemically stable under the 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	Precaution	Precaution	Not applicable

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 bases

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:

LD50 oral:> 2000 mg/kg

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 : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract.

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

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

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 dangerous for the effects mentioned. For more information see section 3.
IARC: 2,2' , 2'' – nitritotriethanol (3); 2,2' iminodiethanol (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

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

H- Aspiration hazard:

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

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute Toxicity		Genus
	DL50 oral	DL50 dermal	
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	DL50 oral	1182 mg/kg	Rat
	DL50 dermal	1220 mg/kg	Rabbit
	CL50 inhalation	11 mg/L (4h)	Rat
Pyrethione zinc CAS: 13463-41-7 EC: 236-671-3	DL50 oral	221 mg/kg	Rat
	DL50 dermal	Not relevant	
	CL50 inhalation	0,14 mg/L (4h)	Rat
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Non-applicable	DL50 oral	64 mg/kg	Rat
	DL50 dermal	87,12 mg/kg	Rabbit
	CL50 inhalation	0,33 mg/L (4h)	Rat

11.2. Information about other hazards:

Endocrine system disrupting properties

The product does not meet the criteria due to its endocrine disrupting properties.

Other information

Not relevant

SECTION 12. Ecological information

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

12.1 Toxicity: LC50 : > 150 mg/l (fish) EC50:> 150 mg/l (daphnia) IC50: > 150 mg/l (algae)

Acute Toxicity

Identification	Acute Toxicity		Species	Genus
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	CL50	146 mg/L (96h)	Leuciscus idus	Fish
	EC50	98,4 mg/L (48h)	Daphnia magna	Crustacean
	EC50	35 mg/L (72h)	Scenedesmus subspicatus	Algae
Pyriothione zinc CAS: 13463-41-7 EC: 236-671-3	CL50	0,003 mg/L (96h)	Pimephales promelas	Fish
	EC50	0,008 mg/L (48h)	Daphnia magna	Crustacean
	EC50	Not Relevant		
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Non-applicable	CL50	0,28 mg/L (96h)	Lepomis macrochirus	Fish
	EC50	0,16 mg/L (48h)	Daphnia magna	Crustacean
	EC50	0,018 mg/L (72h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Acute Toxicity		Species	Genus
Pyriothione zinc CAS: 13463-41-7 EC: 236-671-3	NOEC	Not Relevant		
	NOEC	0,022 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability: Biodegradability: 70%

Identification	Degradability		Biodegradability	
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	60,5%

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	BCF	3
	POW Log	-0,73
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8	Koc	1,2	Henry	1,8E-4 Pa*m ³ /mol
	Conclusion	Very high	Dry soil	No
	Surface tension	3,111E-2 N/m (25 °C)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine system disrupting properties:

The product does not meet the criteria due to its endocrine disrupting properties

12.7 Other adverse effects:

Not described

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Code	Description	Waste class (Regulation (EU) n°1357/2014)
08 01 12	Waste paint and varnish other than those mentioned in 08 01 11	Non dangerous



YOUR PARTNER IN PRINT

Revision nr. 1;
Dated 09/03/2021;
Printed on 09/03/2021;
Page n. 9/10

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

Non-applicable

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-dangerous residue. We do not recommend disposal down the drain. 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

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 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one, pyrrithione zinc

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (product-type 2, 4, 6, 11, 12, 13)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non- applicable

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.

Other legislation:

The product could be affected by sectorial legislation

15.2. Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

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:

H315: Causes skin irritation

H319: Causes serious eye irritation

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

CLP Regulation (EC) No 1272/2008:

Acute Tox. 2: H310+H330 – Fatal in contact with skin or if inhaled



YOUR PARTNER IN PRINT

Acute Tox. 2: H330 - Fatal by inhalation
Acute Tox. 3: H301 - Toxic if swallowed
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin 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
Eye Dam. 1: H318 - Causes serious eye damage
Flam. Liq. 3: H226 - Flammable liquid and vapour
Rep. 1B: H360D - May affect the unborn child
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage
Skin Sens. 1A: H317 - May cause an allergic skin reaction
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Minimal 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: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
(UFI) formula unique identifier
(IARC) International Cancer Research Center

The information set forth herein is to the best knowledge and belief of S. Roque – Máquinas e Tecnologia Laser, S.A. If not employed as directed, we do not guarantee that the hazard precautions or procedures mentioned above are the only ones which exist and we do not assume responsibility in case of unusual use of this product.