



SINTOCUT MIX

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

1.1 Product identifier: SintoCut MIX

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

Relevant uses: Cutting oil. For professional use only.

Uses advised against: Anyone use not specified in this section or in section 7.3.

1.3 Details of the supplier of the safety data sheet:

Elite Sharpening Machines, S.L.U.
Joan Oró 27, Pol. Ind. Sesrovires, E-08635 St. Esteve Sesrovires
Barcelona, Spain
www.elite.es - info@elite.es

Emergency telephone: +34 932 935 178 - Monday to Friday from 9:00 to 13:00 and 15:00 to 18:00 h.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Regulation n°1272 / 2008 (CLP):

The classification of this product has been made under Regulation n°1272 / 2008 (CLP)

Acute Tox. 4: Acute toxicity by ingestion, Category 4, H302.

Aquatic Chronic: Chronic threat to the aquatic environment, Category 3, H412.

2.2 Label elements:

Regulation No 1272/2008 (CLP):

Attention



Hazard:

Acute Tox. 4: H302 - Harmful if swallowed

Aquatic Chronic: H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke during use.

P273: Avoid release Almedio environment.

P330 Rinse mouth.

P501: Dispose of content and / or the recipient in accordance with the rules on hazardous waste or packaging and packaging waste respectively.

Substances which contribute to the classification

2,2'-oxybisethanol; methyl-1H-benzotriazole

2.1 Other hazards:

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not relevant

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substance:**

Not applicable

3.2 Mixtures:

Chemical description: Product / s diverse / s components:

According to Annex II of Regulation (EC) nº197 / 2006 (item 3), the product features:

ID	Chemical Name / Classification	Concentration
CAS: 111-46-6 CE: 203-872-2 Index: 603-140-00-6 REACH: 01-2119457857-21-XXXX	2,2'-oxidietanol ATP CLP00 Regulation 1272/2008 - Acute Tox. 4: H302 - Hazard	5 - <25 %
CAS: 29385-43-1 CE: 249-596-6 Index: Not applicable REACH: 01-2119979081-35-XXXX	Metil-1H-benzotriazol Autoclassified Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Chronic 2: H411 - Atención	5 - <25 %
CAS: 68512-53-8 CE: 270-982-5 Index: Not applicable REACH: Not applicable	MEA/TEA reacion product with boric acid ATP ATP01 Regulation 1272/2008	2,5 - <5 %
CAS:3811-73-2 CE:223-296-5 Index: Not applicable REACH: 01-2119493385-28-XXXX	1-óxido de piridina-2-tiol, sodium salt Autoclassified Regulation 1272/2008 Acute Tox. 4: H302+H312+H332; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - <1 % Hazard	<1 %

SECTION 4: FIRST AID**4.1 Description of first aid:**

Symptoms as a result of poisoning may even occur after exposure, so, in case of doubt, direct exposure to chemical or persistent discomfort seek medical attention, showing the MSDS of this product.

Inhalation:

It is a product that does not contain classified as hazardous by inhalation substances, however, it is recommended if symptoms of poisoning take the affected area exposure and provide fresh air and keep at rest. Seek medical attention if symptoms persist.

By skin contact:

It is a product that does not contain classified as hazardous in contact with skin substances, however, in case of skin contact remove contaminated clothing and shoes, skin lightening or ducating the affected if appropriate with plenty of cold water and neutral soap. If important condition seek medical advice.

By eyes contact:

Flush eyes with plenty of water for at least 15 minutes. In the case of the injured person uses contact lenses, these should be removed not glued to the accompanying esétn, d eotro producrise mode could further damage. In all cases, after washing, should see a doctor as quickly as possible with the MSDS of the product.

Ingestion / aspiration:

Require immediate medical attention, showing the MSDS of this product. Do not induce vomiting, if it occurs keep head tilted forward to prevent aspiration. In the case of unconsciousness give nothing by mouth until medical supervision.



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Rinse mouth and throat, as there is a possibility that have been affected by ingestion. Keep the patient 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 immediately:

not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media:

non-flammable under normal conditions of storage, handling and use. If ignition occurs as a result of manipulation or misuse it may preferably use polyvalent powder extinguishers (ABC powder), according to the Rules of fire protection facilities (RD 1942/1993 and subsequent amendments). It NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As consequence of combustion or thermal decomposition reaction byproducts that can be highly toxic and, consequently, can present a high risk to health are generated.

5.3 Advice for firefighters:

Depending on the magnitude of the fire may be necessary to use full protective clothing and SCBA. Have a minimum of emergency facilities or elements (fire blankets, portable first aid kit, ...) according to R. D. 486/1997 and subsequent amendments.

Additional provisions:

Acting as the Emergency Plan and the Information Sheets on actions to accidents and other emergencies. Remove any source of ignition. In case of fire, cooling containers and storage tanks products susceptible inflammation, explosion or BLEVE as a result of high temperatures. Avoid discharge of the products used in extinguishing the fire to the aquatic environment.

SECTION 6: MEASURES ACCIDENTAL RELEASE

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided they do not pose a risk to persons performing this function. Given the potential exposure to the spilled product it is made mandatory the use of personal protection equipment (see section 8). Evacuate the area and keep people away without protection.

6.2 Environmental precautions:

Product not classified as dangerous for the environment. Keep away from the Avoid at all costs any type of product discharge into the aquatic environment. suitably contain the absorbed / collected in hermetically sealable containers product. Notoficar to the competent authority in case of exposure to the general public or the environment.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb spillage with sand or inert absorbent and remove to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 References to other sections:

See sections 8 and 13.



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SINTOCUT MIX**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling:****A. General precautions:**

Identificación	Valores límite ambientales		
MEA/TEA producto de reacción con ácido bórico	VLA-ED		2 mg/m ³
CAS: 68512-53-8	VLA-EC		6 mg/m ³
CE: 270-982-5	Año	2015	

DNEL (Trabajadores):

Identificación		Corta exposición		Larga exposición	
		Sistémica	Local	Sistémica	Local
2,2'-oxidietanol CAS: 111-46-6 CE: 203-872-2	Oral	No relevante	No relevante	No relevante	No relevante
	Cutánea	No relevante	No relevante	106 mg/kg	No relevante
	Inhalación	No relevante	No relevante	No relevante	60 mg/m ³
Metil-1H-benzotriazol CAS: 29385-43-1 CE: 249-596-6	Oral	No relevante	No relevante	No relevante	No relevante
	Cutánea	No relevante	No relevante	0,5 mg/kg	No relevante
	Inhalación	No relevante	No relevante	8,8 mg/m ³	No relevante
MEA/TEA producto de reacción con ácido bórico CAS: 68512-53-8 CE: 270-982-5	Oral	No relevante	No relevante	No relevante	No relevante
	Cutánea	No relevante	No relevante	392 mg/kg	No relevante
	Inhalación	No relevante	No relevante	8,3 mg/m ³	No relevante

DNEL (Población):

Identificación		Corta exposición		Larga exposición	
		Sistémica	Local	Sistémica	Local
2,2'-oxidietanol CAS: 111-46-6 CE: 203-872-2	Oral	No relevante	No relevante	No relevante	No relevante
	Cutánea	No relevante	No relevante	53 mg/kg	No relevante
	Inhalación	No relevante	No relevante	No relevante	12 mg/m ³
Metil-1H-benzotriazol CAS: 29385-43-1 CE: 249-596-6	Oral	0,25 mg/kg	No relevante	0,25 mg/kg	No relevante
	Cutánea	No relevante	No relevante	0,25 mg/kg	No relevante
	Inhalación	No relevante	No relevante	4,4 mg/m ³	No relevante
MEA/TEA producto de reacción con ácido bórico CAS: 68512-53-8 CE: 270-982-5	Oral	0,98 mg/kg	No relevante	0,98 mg/kg	No relevante
	Cutánea	No relevante	No relevante	196 mg/kg	No relevante
	Inhalación	No relevante	No relevante	4,15 mg/m ³	No relevante

PNEC:

Identificación					
2,2'-oxidietanol CAS: 111-46-6 CE: 203-872-2	STP	199,5 mg/L	Agua dulce	10 mg/L	
	Suelo	1,53 mg/kg	Agua salada	1 mg/L	
	Intermitente	10 mg/L	Sedimento (Agua dulce)	20,9 mg/kg	
	Oral	No relevante	Sedimento (Agua salada)	No relevante	
Metil-1H-benzotriazol CAS: 29385-43-1 CE: 249-596-6	STP	39,4 mg/L	Agua dulce	0,008 mg/L	
	Suelo	0,0024 mg/kg	Agua salada	0,008 mg/L	
	Intermitente	0,086 mg/L	Sedimento (Agua dulce)	0,0025 mg/kg	
	Oral	No relevante	Sedimento (Agua salada)	0,0025 mg/kg	
MEA/TEA producto de reacción con ácido bórico CAS: 68512-53-8 CE: 270-982-5	STP	10 mg/L	Agua dulce	2,02 mg/L	
	Suelo	5,4 mg/kg	Agua salada	2,02 mg/L	
	Intermitente	13,7 mg/L	Sedimento (Agua dulce)	No relevante	
	Oral	No relevante	Sedimento (Agua salada)	No relevante	

Comply with the law on prevention of occupational hazards. Keep container tightly closed. Control spills and



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waste, eliminating them with safe methods (section 6). Avoid free discharge from the container. Maintain order and cleanliness where dangerous products are handled.

B. Technical recommendations for preventing explosions and fires:

nonflammable product under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid generating electroestáticas loads that could affect inflammable products. See section 10 on conditions and materials to be avoided.

C. Technical recommendations to prevent ergonomic and toxicological risks:

For exposure controls see section 8. Do not eat, drink or smoke in work areas; wash your hands after each use, and shed clothing and contaminated protective equipment before entering eating areas.

D.- Technical recommendations to prevent environmental risks:

Because of the danger of this product for the environment it is recommended handling within an area that has control barriers pollution in case of spillage, roasted and have absorbent material in the vicinity thereof.

7.1 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage:

ITC (R.D. 379/2001): MIE-APQ-7
Clasificación: Xn
Min. Temperature: 5°C / 41 Fahrenheit
Max. Temperature: 30°C / 86 Fahrenheit
Maximum time: 6 months

B. Terms of storage:

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

7.2 Specific end uses:

Except as specified indications is no need to take any special recommendation regarding the uses of this product.

**SINTOCUT MIX****SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 CONTROL PARAMETERS:**

Substances whose occupational exposure limit values have to be monitored at the workplace (INSHT: 2015).

8.1 Exposure controls:**A. General measures of health and safety in the workplace:**

If the product is used under the conditions specified dosage instructions given in relevant application (Section 15) concentration, personal protective equipment described below in section 8.2 for products UNDILUTED is not required.

Recommended safety precautions for handling undiluted product:

As a preventive measure the utilización of basic personal protective equipment is recommended, with the corresponding CE marking according to R. D. 1407/1992 and subsequent amendments. For more information on personal protective equipment (storage, use, cleaning, maintenance, protection class, ...) consult the information leaflet provided by the manufacturer of EPI. The instructions in this item refer to pure. Protective measures for the diluted product podrían vary depending on the degree of dilution, use, method of application, etc. To determine the required installation and emergency shower / eyewash in warehouses or regulations concerning the storage of chemicals applicable in each case is taken into account. For more information see sections 7.1 and 7.2.

All information included herein is a recommendation by its realization services prevention of occupational risks by ignoring additional prevention measures that the company could have still necessary.

B.- Respiratory protection:

the use of protective equipment in case of formation of fog or in the case exceed occupational exposure limits if any (see section 8.1) will be necessary.

C.- Specific hand protection:

Pictograph	EPI	Marcado	CEN Regulations	Observations
 Proteccion obligatoria de la manos	Chemical protective gloves		EN 374-1:2003 EN 374-:2003/AC:2006 EN 420:2003+A1:2009	Replace gloves at any sign of deterioration.

D.- Eye and face protection:

Pictograph	EPI	Marcado	CEN Regulations	Observations
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 Proteccion obligatoria de la cara	Panoramic glasses for splashes / or projections		EN 166-2001 EN 172-1994/A1-2000 EN 172-1994/A2-2001 EN ISO 4007:2012C	Cleaned daily and disinfected periodically according to the manufacturer's instructions. use in case of risk of splashing is recommended.
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E.- Body protection:

Pictograph	EPI	Marcado	CEN Regulations	Observations
	Workwear		EN ISO 13688:2013	Exclusive use at work
	Anti-slip workshoes		EN ISO 20347-2012 EN ISO 20344-2011	Any

F.-Additional emergency measures:

Emergency measures	Regulations	Emergency measures	Regulations
 Ducha de emergencia Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eyewash	DIN 12 899 ISO 3864-1:2002

Controls Environmental exposure:

Under EU legislation in environmental protection it is recommended to prevent spillage of both the product and its packaging to the environment. For additional information see section 7.1 D

Volatile organic compounds:

Pursuant to R. D. 117/2003 and subsequent amendments (Directive 2010/75 / EU), this producto has the following characteristics:

C.O.V. (Supply): 0% weight



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Concentración C.O.V. A 20: 0 kg / m³ (0 g / L)
Average number of carbons: Not relevant.
average molecular weight: Not relevant.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Information on physical and chemical properties:

For complete information see the technical sheet / product specification sheet.

Physical appearance:

Physical state at 20°C: Liquid

Appearance: Oily

yellowing

Smell: Characteristic

Volatility:

Boiling point at atmospheric pressure: Not relevant *

Vapor pressure at 20 ° C: Not relevant *

Vapor pressure at 50 ° C: Not relevant *

Evaporation rate at 20 ° C: Not relevant *

Product characterization:

Density at 20 ° C: 1080-1120 kg / m³

Relative density at 20 ° C: Not relevant *

dynamic at 20 ° C Viscosity: Not applicable *

Kinematic viscosity at 20 ° C: Not relevant *

Kinematic viscosity at 40 ° C: Not relevant *

Concentration: Not relevant *

pH: 9.2 to 9.4 5%

Vapor density at 20 ° C: Not relevant *

Partition coefficient n-octanol / water at 20 ° C: Not relevant *

Solubility in water at 20 ° C: Not relevant *

Property solubility: Soluble in water

Decomposition temperature: Not relevant *

Melting point / freezing point: Not relevant *

Inflammability:

Flash point: Non-flammable (> 60 oC)

Auto-ignition temperature: Not relevant *

Lower Flammable Limit: Not relevant *

Upper Flammable Limit: Not relevant *

9.2 Other data:

Surface tension at 20 ° C: Not relevant *

Refractive index: Not relevant *

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



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Identificación	Toxicidad aguda		Género
2,2'-oxidietanol	DL50 oral	500 mg/kg	Rata
CAS: 111-46-6	DL50 cutánea	11890 mg/kg	Conejo
CE: 203-872-2	CL50 inhalación	No relevante	
MEA/TEA producto de reacción con ácido bórico	DL50 oral	2660 mg/kg	Rata
CAS: 68512-53-8	DL50 cutánea	No relevante	
CE: 270-982-5	CL50 inhalación	No relevante	
Metil-1H-benzotriazol	DL50 oral	500 mg/kg (ATEi)	
CAS: 29385-43-1	DL50 cutánea	No relevante	
CE: 249-596-6	CL50 inhalación	No relevante	
1-óxido de piridina-2-tiol, sal de sodio	DL50 oral	1500 mg/kg	Rata
CAS: 3811-73-2	DL50 cutánea	1800 mg/kg	Conejo
CE: 223-296-5	CL50 inhalación	No relevante	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected if the technical instructions storage of chemicals are met. See section 7.

10.2 Chemical stability:

chemically stable under the conditions indicated storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the indicated conditions hazardous reactions that may cause excess pressure or temperatures are expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Heating	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.1 Materiales incompatibles:

Acids	Water	Oxidizing materials	Combustible materials	Other
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.2 Hazardous decomposition products:

See section 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions as a result of it can be released complex mixtures of chemicals: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

There is no experimental data on the product themselves relating to toxicological properties.

Dangerous health effects:

If repetitive, prolonged or concentrations greater than those established by workplace exposure limit exposure, adverse health effects may occur depending on the route of exposure:

A. Ingestion (acute hazard):



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Acute toxicity: Ingestion of a considerable dose can cause sore throat, abdominal pain, nausea and vomiting.

Corrosivity / Irritability: In view of the available data, the classification criteria are met, without embargo has swallowed classified as hazardous substances. For more information see Section 3.

B. Inhalation (acute hazard):

- Acute toxicity: In view of the available data, the classification criteria are not met, however, has classified as hazardous by inhalation substances. For more information see Section 3.

Corrosivity / Irritability: In view of the available data, the classification criteria are met, however, has classified as hazardous by inhalation .. For more information see Section 3 substances.



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C. Contact with skin and eyes:

- Skin contact: In view of the available data, however, has classified as hazardous by skin contact substances. For more information see Section 3.

- Eye contact: In view of the available data, the classification criteria are not met, it presents substances classified as hazardous by skin contact. For more information see Section 3.

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

- Carcinogenicity: In view of the available data, the classification criteria are not met, presenting not classified as hazardous substances the effects described. For more information see Section 3.

- Mutagenicity: In view of the available data, the classification criteria are not met, presenting not classified as dangerous for this effect substances. For more information see Section 3.

- Reproductive toxicity: In view of the available data, the classification criteria are not met, presenting not classified as dangerous for this effect substances. For more information see Section 3.

E.- Sensitizing effects:

- Respiratory: In view of the available data, the classification criteria are not met, presenting not classified as dangerous with sensitizing effects above the limits set out in section 3.2 of Regulation (EC) 2015/830 substances. For more information see sections 2, 3 and 15.

- Dermal: In view of the available data, the classification criteria are not met, or submitting classified as dangerous for this effect substances. For more information see Section 3.

F.- specific target organ toxicity (STOT) -time exposure only:

In view of the available data, the classification criteria are not met, or submitting classified as dangerous for this effect substances. For more information see Section 3.

G.- specific target organ toxicity (STOT) repeated -exhibition:

In view of the available data, the classification criteria are not met, or submitting classified as dangerous for this effect substances. For more information see Section 3.

- Skin: In view of the available data, the classification criteria are not met, or submitting classified as dangerous for this effect substances. For more information see Section 3.

H.- Aspiration hazard:

In view of the available data, the classification criteria are not met, or submitting classified as dangerous for this effect substances. For more information see Section 3.

Additional Information:

not relevant

**SINTOCUT MIX****Specific toxicological substances (see table above) :****SECTION 12: ECOLOGICAL INFORMATION**

There is no experimental data on the mixture itself concerning ecotoxicological properties.

12.1 Toxicity:

ID	Degradability	Species	Gender
2,2' – oxidietanol CAS: 111-46-6 CE: 203-872-2	CL50: 32000 mg/L (96h) CE50: 84000 mg/L (48 h) CE50: No relevante	Gambusia affinis Daphnia magna	Fish Crustacean
Metil-1H-benzotriazol CAS: 29385-43-1 CE: 249-596-6	CL50: 55 mg/L (96 h) CE50: 9 mg/L (48 h) CE50: 75 mg/L (72 h)	Cypronodon variegatus Daphnia galeata Pseudokirchneriella subcapitata	Fish Crustacean Alga
1-óxido de piridina-2-tiol, sal de sodio CAS: 3811-73-2 CE: 223-296-5	CL50: 0,0073 mg/L (96 h) CE50: 0,022 mg/L (48 h) CE50: Not relevant	Oncorhynchus mykiss Daphnia magna	Fish Crustacean

12.1 Persistence and degradability:

ID	Degradability	Biodegradability
2,2' – oxidietanol CAS: 111-46-6 CE: 203-872-2	DBO5: 0.05g o2/g DQO 1.51 g O2/g DBO5/DQO 0.03	Concentration: 100 mg/L Período 28 días % Biodegradado 90 %
Metil-1H-benzotriazol CAS: 29385-43-1 CE: 249-596-6	DBO5: No relevante DQO: No relevante DBO5/DQO: No relevante	Concentration: 100 mg/L Period 28 days % Biodegradado 4 %

12.2 Bioaccumulation potential:

ID	Bioaccumulation potential
2,2' – oxidietanol CAS: 111-46-6 CE: 203-872-2	BCF: 0 Log POW: -1,47 Potential: Low
MEA/TEA reaction product with acid boric CAS: 68512-53-8 CE: 270-982-5	BCF: 0 Log POW: -0,76 Potential: Low

Movility in floor

ID	Absorption/Desorption	Volatility
2,2' – oxidietanol CAS: 111-46-6 CE: 203-872-2	Koc : 1 Conclusion: Very high Superficial tension: 49540 N/m (25 °C)	Henry : 2,06E-4 Pa.m3/mol Dry floor: No Wet floor: No



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12.3 Results of PBT and vPvB assessment:
Not applicable

12.4 Other adverse effects:
undescribed

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Methods of waste treatment:

Code	Description	Tipo de residuo (Reglamento (UE) Nr. 1357/2014)
13 08 99*	Residuos no especificados en otra categoría	Peligroso

Waste management (disposal and recovery):

Consult the authorized waste operations as recovery and disposal and Annex 1 and Annex 2 (Directive 2008 / 98CE, Law 22/2011). According to codes 15 01 (2014/955 / EU), in the event that the package has been in direct contact with the product will be managed the same way as the product itself, otherwise it will be handled as hazardous waste. discharged into waterways is discouraged. See epígrade 6.2.

Legislation related to waste management:

According to Annex II of Regulation (EC) nº1907 / 2006 (REACH) Community or state regulations relating to the management of waste are collected.

Community legislation: Directive 2008/98 / EC, 2014/955 / EU, Regulation (EU) nº1357 / 2014
national legislation: Law 22/2011

SECTION 14: TRANSPORT INFORMATION

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



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SECTION 15: REGULATORY INFORMATION

15.1 Regulations and safety legislation, legislation specific for the substance or mixture

Regulation (EC) No 528/2012: contains a preservative to protect the properties of the treated article. It is containing pyridine 1-oxide 2-thiol-sodium salt.

Candidate for authorization in Regulation (EC) 1907/2006 (REACH): MEA / TEA reaction product with boric acid. Substances included in Annex XIV of REACH (authorization list) and expiration date: Not relevant.

Regulation (EC) 1005/2009 on substances that deplete the ozone layer: Not relevant.

active substances which have not been approved in accordance with Article 9 of Regulation (EU) No 528/2012:

MEA / TEA reaction product with boric acid (except for the type of product 1, 2, 3, 6, 7, 9, 10, 11, 12, 13, 18, 22); 1-oxide pyridine-2-thiol, sodium salt (except for the type of product 4, 11, 12).

REGULATION (EU) No 649/2012, relativo export and import of dangerous chemicals: Not relevant

Restrictions on the marketing and use of certain substances and pelirosas ezclas (Annex XVII of the REACH Regulation):

not relevant

Special provisions for the protection of persons or the environment:

It is recommended to employ information collected on this safety data sheet as input to a risk assessment of local circumstances to help the necessary measures to prevent risks PSRA handling, use, storage and disposal of this product.

Other regulations:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixing, and amending and repealing Directives 67/548 / EEC and 1999 / 45 / EC and Regulation (EC) No 1907/2006 is modified.

15.2 Chemical Safety Assessment:

The supplier has not carried out chemical safety assessment.

SECTION 16: OTHER INFORMATION

Legislation applicable to safety data sheet:

This safety data sheet has been developed according to ANNEX II-Guide for the preparation of safety data sheet of Regulation (EC) No 1907/2006 (Regulation (EU) No 453/2010, Regulation (EU) No 453 / 2010).

Modifications to the prior MSDS affecting risk management measures:

Directive 67/548 / EC and Directive 1999/45 / EC:

- R phrases
- Safety phrases S

Regulation no1272 / 2008 (CLP):

- Hazard
- Precautionary

Substances presenting amendments Section 3:

- Methyl-1H-benzotriazole (29385-43-1): R phrases, Hazard



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Texts of legislative phrases referred to in Section 2:

H412: Harmful to aquatic life with long lasting effects

H302: Harmful if swallowed

Texts of legislative phrases referred to in Section 3:

The indicated sentences do not refer to the product itself, they are for information only and refer to the individual components listed in section 3

Modifications to the prior MSDS affecting risk management measures:

Regulation no1272 / 2008 (CLP):

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302 + H312 + H332 - Harmful if swallowed, by skin contact or inhalation.

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

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

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

Skin Irrit. 2: H315 - Causes skin irritation.

Classification procedure:

Aquatic Chronic 3: Calculation method.

Acute Tox. 4: Calculation method.

Tips on training:

Minimal training is recommended in prevention of occupational hazards to personnel who will handle this product, in order to facilitate the understanding and interpretation of this safety data sheet and product labeling.

Main bibliographic sources:

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

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

Abreviaturas y acrónimos:

- ADR: European Agreement concerning the international carriage of dangerous goods by road.

-IMDG: International Maritime Dangerous Goods Code.

-IATA: International Air Transport Association.

-OACI: International Civil Aviation Organization.

-DQO: Demand Química oxygen.

-DBO5: Biological oxygen demand at 5 days.

-BCF: BCF.

-DL50: 50 lethal dose.

-CL50: 50 lethal concentration.

-EC50: Effective concentration 50.

-log POW: coefficient log octanol-water partition.

-Koc: Partition coefficient organic carbon.