(in accordance with Regulation (EU) 2020/878)

TOT-FLUX BÓRAX



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

1.1 Product identifier.

Product Name: TOT-FLUX BÓRAX UFI: 8T60-V0TD-F00W-2DTD

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

Decapante

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: COLLAK, S.A.

Address: C/ FRANCIÁ Nº 3 - POL. LLERONA
City: 08520 - LES FRANQUESES DEL VALLÈS

Province: BARCELONA
Telephone: 93 849 44 33
Fax: 93 849 22 77
E-mail: collak@collak.com
Web: www.collak.com

1.4 Emergency telephone number: 93 849 44 33 (Only available during office hours; Monday-Friday; 08:00-18:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Eye Dam. 1 : Causes serious eye damage.

Repr. 1B: May damage fertility or the unborn child. Skin Corr. 1B: Causes severe skin burns and eye damage.

2.2 Label elements.

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

Pictograms:





Signal Word:

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

H360FD May damage fertility. May damage the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash with water thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

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

easy to do. Continue rinsing.

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

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P310 Immediately call a POISON CENTER/doctor/...

EUH statements:

Restricted to professional users.

Contains: boric acid disodium tetraborate pentahydrate potassium bifluoride, potassium hydrogen difluoride

2.3 Other hazards.

The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not applicable.

3.2 Mixtures.

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

			(*)Classification - Regulation (EC) No 1272/2008	
Identifiers	Name	Concentrate	Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 005-007- 00-2 CAS No: 10043-35-3 EC No: 233-139-2 Registration No: 01- 2119486683-25-XXXX	[5] boric acid	0.3 - 50 %	Repr. 1B, H360FD	1
Index No: 005-011- 00-4 CAS No: 12179-04-3 EC No: 215-540-4	[5] disodium tetraborate pentahydrate	0.3 - 10 %	Repr. 1B, H360FD	-
CAS No: 584-08-7 EC No: 209-529-3 Registration No: 01- 2119532646-36-XXXX	potassium carbonate	1 - 10 %	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - STOT SE 3, H335	-
Index No: 009-008- 00-9 CAS No: 7789-29-9 EC No: 232-156-2	[1] potassium bifluoride, potassium hydrogen difluoride	1 - 10 %	Acute Tox. 3 *, H301 - Skin Corr. 1B, H314	Skin Corr. 1B, H314: $C \ge 1$ % Skin Irrit. 2, H315: 0,1 % \le C < 1 % Eye Irrit. 2, H319: 0,1 % \le C < 1 %

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

SECTION 4: FIRST AID MEASURES.

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

^[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

^[2] Substance with a national workplace exposure limit (see section 8.1).

^[5] Substance included in the list established under Article 59, paragraph 1, REACH (Candidate substance).

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4.1 Description of first aid measures.

Delayed effects may occur after the exposure to the product.

Inhalation.

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

Eye contact.

Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Dont let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners. The use of personal protective equipment is recommended for people providing first aid (see section 8).

Ingestion.

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

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

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Long-term chronic exposure may result in injury to certain organs or tissues.

Contact with eyes may cause irreversible damage.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

5.1 Extinguishing media.

Suitable extinguishing media:

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

Unsuitable extinguishing media:

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

5.2 Special hazards arising from the substance or mixture.

<u>Special risks.</u>

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

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

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

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6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

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

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 ° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Desoxidante en polvo para soldadura fuerte con varilla de plata

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m³
potassium bifluoride, potassium	7789-29-9	European	Eight hours		2,5
hydrogen difluoride	7769-29-9	Union [1]	Short term		
		d			<i></i>

[1] According both Binding Occupational Esposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Туре	Value
boric acid	DNEL	Inhalation, Chronic, Systemic effects	8,3
CAS No: 10043-35-3	(Workers)		(mg/m³)
EC No: 233-139-2			

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

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

8.2 Exposure controls.

Measures of a technical nature:

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

Concentration:	100 %

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Uses: Decapante

Breathing protection:

PPE: Particle filter mask

«CE» marking, category III. Made of filtering material, it covers nose, mouth and Characteristics:

CEN standards: EN 149

Check for any tears, defects, etc. before use. Since it is disposable individual protection equipment, it Maintenance:

should be replaced after use.

Does not protect worker unless properly adjusted. Follow the manufacturer's instructions regarding Observations:

suitable use of the equipment.

Filter Type needed:

Hand protection:

Non-disposable protective gloves against chemicals. PPE:

«CE» marking, category III. Check the list of chemicals for which the glove has Characteristics:

been tested.

CEN standards: EN 374-1, En 374-2, EN 374-3, EN 420

A schedule for the periodical replacement of gloves should be established in order to guarantee their Maintenance: replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous

than not using gloves, since the pollutant can gradually accumulate in the glove's material.

They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could

reduce their strength

Breakthrough time Material thickness Material: PVC (polyvinyl chloride) > 480 0,35 (min.): (mm):

Eye protection:

Skin protection:

Observations:

Protective goggles against particle impacts.

Characteristics: «CE» marking, category II. Eye protector against dust and smoke.

EN 165, EN 166, EN 167, EN 168 CEN standards:

Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should Maintenance:

be disinfected periodically following the manufacturer's instructions.

Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, Observations:

scraping etc.

PPE: Chemical protective clothing

«CE» marking, category III. Clothing should fit properly. The level of protection

Characteristics: must be set according to a test parameter called BT (Breakthrough Time), which

indicates how long it takes for the chemical to pass through the material.

CFN standards: EN 464,EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034

In order to guarantee uniform protection, follow the washing and maintenance instructions provided by Maintenance:

the manufacturer.

The protective clothing's design should facilitate correct positioning, staying in place without moving for Observations:

the period of use expected, bearing in mind environmental factors as well as any movement or position

the user might adopt while carrying out the activity.

PPE: Anti-static safety footwear against chemicals.

«CE» marking, category III. Check the list of chemicals against which the footwear Characteristics:

is resistant.

EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO CEN standards:

20345

For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions Maintenance:

specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is

The footwear should be cleaned regularly and dried when damp, although it should not be placed too Observations:

close to a source of heat in order to avoid any sharp changes in temperature.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Solid - Dust

Colour: Blanco Odour: No apreciable

Odour threshold: Not applicable/Not available due to the nature/properties of the product

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Melting point: > 350 °C

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties of the product

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: Not applicable/Not available due to the nature/properties of the product

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product

Decomposition temperature: > 1200 °C

pH: 6-7 (50%)

. Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: Not applicable/Not available due to the nature/properties of the product

Hydrosolubility: 4.4 g/l

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product

Vapour pressure: Not applicable/Not available due to the nature/properties of the product Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: 1,20

Relative vapour density: Not applicable/Not available due to the nature/properties of the product Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Not applicable/Not available due to the nature/properties of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

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

There are no tested data available on the product.

Splashes in the eyes can cause serious and irreversible damage.

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Oral) = 2.500 mg/kg

b) skin corrosion/irritation;

Product classified:

Skin Corrosive, Category 1B: Causes severe skin burns and eye damage.

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c) serious eye damage/irritation;

Product classified:

Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Product classified:

Reproductive toxicant, Category 1B: May damage fertility or the unborn child.

h) STOT-single exposure:

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

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

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

12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

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

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

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

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

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SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading Air: Transport by plane: ICAO/IATA. Transport document: Airway bill.

14.1 UN number or ID number.

UN No: UN2923

14.2 UN proper shipping name.

Description:

ADR/RID: UN 2923, CORROSIVE SOLID, TOXIC, N.O.S. (CONTAINS POTASSIUM BIFLUORIDE POTASSIUM HYDROGEN

DIFLUORIDE), 8 (6.1), PG III, (E)

UN 2923, CORROSIVE SOLID, TOXIC, N.O.S. (CONTAINS POTASSIUM BIFLUORIDE POTASSIUM HYDROGEN IMDG:

DIFLUORIDE), 8 (6.1), PG III

UN 2923, CORROSIVE SOLID, TOXIC, N.O.S. (CONTAINS POTASSIUM BIFLUORIDE POTASSIUM HYDROGEN ICAO/IATA:

DIFLUORIDE), 8 (6.1), PG III

14.3 Transport hazard class(es).

Class(es): 8

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: No

Transport by ship, FEm - Emergency sheets (F - Fire, S - Spills): F-A,S-B

14.6 Special precautions for user.

Labels: 8, 6.1





Hazard number: 86

Provisions concerning carriage in bulk ADR:

Carriage in bulk in sheeted vehicles, sheeted containers or sheeted bulk containers is permitted. Carriage in bulk in closed vehicles, closed containers or closed bulk containers is permitted. VC2

AP7 Carriage in bulk shall only be as a full load.

Proceed in accordance with point 6.

ADR LQ: 5 kg IMDG LQ: 5 kg ICAO LQ: 5 kg

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14.7 Maritime transport in bulk according to IMO instruments. The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

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

Volatile organic compound (VOC) VOC content (p/p): 0 % VOC content: 0 g/l

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

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

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

Designation of the substance, of the	Conditions of restriction
group of substances or of the mixture	
30. Substances which are classified as	Without prejudice to the other parts of this Annex the following shall apply to
reproductive toxicant category 1A or 1B in	entries 28 to 30:
Part 3 of Annex VI to Regulation (EC) No	1. Shall not be placed on the market, or used,
1272/2008 and are listed in Appendix 5 or	
Appendix 6, respectively.	as substances,
	as constituents of other substances, or
	as constituents of other substances, or,
	in mixtures,
	III IIIIXCai CS,
	for supply to the general public when the individual concentration in the
	substance or mixture is equal to or greater than:
	, -
	either the relevant specific concentration limit specified in Part 3 of Annex VI
	to Regulation (EC) No 1272/2008, or,
	the relevant generic concentration limit specified in Part 3 of Annex I of
	Regulation (EC) No 1272/2008.
	1094141011 (20) 110 127 2/ 20001
	Without prejudice to the implementation of other Community provisions
	relating to the classification, packaging and labelling of substances and
	mixtures, suppliers shall ensure before the placing on the market that the
	packaging of such substances and mixtures is marked visibly, legibly and
	indelibly as follows:
	Destricted to prefessional users'
	'Restricted to professional users'.
	2. By way of derogation, paragraph 1 shall not apply to:
	2. By Way of delogation, paragraph I shall not apply to:
	(a) medicinal or veterinary products as defined by Directive 2001/82/EC and
	Directive 2001/83/EC;
	(b) cosmetic products as defined by Directive 76/768/EEC;
	(c) the following fuels and oil products:
	motor fuels which are covered by Directive 98/70/EC,
	mineral oil products intended for use as fuel in mobile or fixed combustion
	plants, fuels sold in closed systems (e.g. liquid gas bottles);
	Tuels solu ili ciosed systems (e.g. liquid gas bottles);

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(d) artists' paints covered by Regulation (EC) No 1272/2008;
(e) the substances listed in Appendix 11, column 1, for the application or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date;
(f) devices covered by Regulation (EU) 2017/745.

15.2 Chemical safety assessment.

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

SECTION 16: OTHER INFORMATION.

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

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

H360FD May damage fertility. May damage the unborn child.

Classification codes:

Acute Tox. 3 : Acute toxicity (Oral), Category 3 Eye Dam. 1 : Serious eye damage, Category 1 Eye Irrit. 2 : Eye irritation, Category 2 Repr. 1B : Reproductive toxicant, Category 1B Skin Corr. 1B : Skin Corrosive, Category 1B Skin Irrit. 2 : Skin irritant, Category 2

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

Changes regarding to the previous version:

- Changes in the composition of the product (SECTION 3.2).
- Addition of exposure data (SECTION 8.1).
- Addition of personal protective equipment (SECTION 8.2).
- Modifications of the personal protective equipment (SECTION 8.2).
- National legislative changes (SECTION 15.1).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data Health hazards Calculation method Environmental hazards Calculation method

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

Abbreviations and acronyms used:

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

CEN: European Committee for Standardization.

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

considered a tolerable minimum.

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

anticipated.

PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

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

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http://echa.europa.eu/ Regulation (EU) 2020/878. Regulation (EC) No 1907/2006. Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

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