


**LATALASTIK Part A**
24-1418-0005-AA**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** LATALASTIK Part A
24-1418-0005-AA
- Other means of identification:**
- Product registration number:** WKV575131-02
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- Relevant uses: Adhesive for construction. For professional users only.
- IDENTIFIED USES: Professional (SU22)
- Uses advised against: All uses not specified in this section or in section 7.3
- Please see the annex for detailed information about the specific and safe usage of the product.
- 1.3 Details of the supplier of the safety data sheet:**
- LATICRETE EUROPE S.r.l. a socio unico
Via Paletti snc
41051 Castelnovo Rangone - Italia
Phone: +39 059 535 540 - Fax: +39 059 538 338
info@laticreteeurope.com
https://eu.laticrete.com
- 1.4 Emergency telephone number:** NHS Direct (UK): +44 0845 46 47
Europe's emergency number: 112
Company number (08:00 - 18:00 CET): (+39) 059 535540

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.
- Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
- 2.2 Label elements:**
- CLP Regulation (EC) No 1272/2008:**
- Warning**
- 
- Hazard statements:**
- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
- Precautionary statements:**
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
- Supplementary information:**
- EUH205: Contains epoxy constituents. May produce an allergic reaction.
EUH208: Contains Prodotti di reazione di oligomerizzazione e alchilazione di 2-fenilpropene e fenolo. May produce an allergic reaction.
- Substances that contribute to the classification**
- Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled
- 2.3 Other hazards:**

** Changes with regards to the previous version

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Safety data sheet (e-SDS)

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

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SECTION 2: HAZARDS IDENTIFICATION ** (continued)

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

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of additives, pigments and resins**Components:**

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

Identification	Chemical name/Classification	Concentration
CAS: 1675-54-3 EC: 216-823-5 Index: 603-073-00-2 REACH: 01-2119456619-26-XXXX	Bis-[4-(2,3-epoxipropoxy)phenyl]propane⁽¹⁾ Self-classified	5 - <10 %
	Regulation 1272/2008 Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 68609-97-2 EC: 271-846-8 Index: 603-103-00-4 REACH: 01-2119485289-22-XXXX	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.⁽¹⁾ ATP CLP00	1 - <2 %
	Regulation 1272/2008 Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: Non-applicable EC: 700-960-7 Index: Non-applicable REACH: Non-applicable	Prodotti di reazione di oligomerizzazione e alchilazione di 2-fenilpropene e fenolo⁽¹⁾ Self-classified	1 - <2 %
	Regulation 1272/2008 Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 8007-24-7 EC: 700-991-6 Index: Non-applicable REACH: 01-2119502450-57-XXXX	Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled⁽¹⁾ Self-classified	0,1 - <1 %
	Regulation 1272/2008 Acute Tox. 4: H302+H312; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	

⁽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	Specific concentration limit
Bis-[4-(2,3-epoxipropoxy)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	% (w/w) >=5: Skin Irrit. 2 - H315 % (w/w) >=5: Eye Irrit. 2 - H319

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
	LD50 oral	LD50 dermal	
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	500 mg/kg	Not relevant	Rat
	LC50 inhalation	Not relevant	

** Changes with regards to the previous version

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 does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or 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.

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**SECTION 4: FIRST AID MEASURES (continued)****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.

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

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

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

Unsuitable extinguishing media:

Non-applicable

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:****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 spilled 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:

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:**

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**SECTION 7: HANDLING AND STORAGE (continued)****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

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**

Maximum time: 12 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):

Please see the annex for detailed information about handling, storage and specific end uses.

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
Bis-[4-(2,3-epoxipropoxy)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,75 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4,93 mg/m ³	Not relevant
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS: 68609-97-2 EC: 271-846-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3,6 mg/m ³	Not relevant
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2,1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	7,4 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Bis-[4-(2,3-epoxipropoxy)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	Oral	Not relevant	Not relevant	0,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,0893 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,87 mg/m ³	Not relevant
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS: 68609-97-2 EC: 271-846-8	Oral	Not relevant	Not relevant	0,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,87 mg/m ³	Not relevant
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	Oral	Not relevant	Not relevant	0,75 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,75 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,31 mg/m ³	Not relevant

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Bis-[4-(2,3-epoxypropoxy)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	STP	10 mg/L	Fresh water	0,006 mg/L
	Soil	0,065 mg/kg	Marine water	0,001 mg/L
	Intermittent	0,018 mg/L	Sediment (Fresh water)	0,341 mg/kg
	Oral	0,011 g/kg	Sediment (Marine water)	0,034 mg/kg
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS: 68609-97-2 EC: 271-846-8	STP	10 mg/L	Fresh water	0,106 mg/L
	Soil	1,234 mg/kg	Marine water	0,011 mg/L
	Intermittent	0,072 mg/L	Sediment (Fresh water)	307,16 mg/kg
	Oral	Not relevant	Sediment (Marine water)	30,72 mg/kg
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	STP	100 mg/L	Fresh water	0,0114 mg/L
	Soil	171,41 mg/kg	Marine water	0,00114 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	5 mg/kg
	Oral	0,0333 g/kg	Sediment (Marine water)	0,5 mg/kg

8.2 Exposure controls:

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

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	PPE	Labelling	CEN Standard	Remarks
	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.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

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	PPE	Labelling	CEN Standard	Remarks
	Panoramic glasses against splash/projections.		EN 166:2002 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 Standard	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

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**LATALASTIK Part A**
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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):	0 % weight
V.O.C. density at 20 °C:	0 kg/m ³ (0 g/L)
Average carbon number:	Not relevant
Average molecular weight:	Not relevant

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties:****Appearance:**

Physical state at 20 °C:	Liquid
Appearance:	Paste
Colour:	White
Odour:	Sweet
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	320 °C
Vapour pressure at 20 °C:	Not relevant *
Vapour pressure at 50 °C:	<300000 Pa (300 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1800 - 2000 kg/m ³
Relative density at 20 °C:	1,9
Dynamic viscosity at 20 °C:	500000 - 600000 cP
Kinematic viscosity at 20 °C:	250000 - 350000 mm ² /s
Kinematic viscosity at 40 °C:	>20,5 mm ² /s
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Insoluble in water
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Autoignition temperature:	Not relevant *
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Non-applicable
9.2 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 *
Aerosols-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

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	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:

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: 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):

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24-1418-0005-AA**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain 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: 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 hazardous for the effects mentioned. For more information see section 3.
IARC: Bis-[4-(2,3-epoxypropoxy)phenyl]propane (3); Titanium dioxide (2B)
 - 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: 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.
- 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: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- 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.
- H- Aspiration hazard:

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
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled	LD50 oral	500 mg/kg	Rat
CAS: 8007-24-7	LD50 dermal		
EC: 700-991-6	LC50 inhalation		

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:**



SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Concentration		Species	Genus
	LC50			
Bis-[4-(2,3-epoxipropoxi)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	LC50	2 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	1,7 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	9,4 mg/L (72 h)	Scenedesmus subspicatus	Algae
Prodotti di reazione di oligomerizzazione e alchilazione di 2-fenilpropene e fenolo CAS: Non-applicable EC: 700-960-7	LC50	>10 - 100 mg/L (96 h)		Fish
	EC50	>10 - 100 mg/L (48 h)		Crustacean
	EC50	>10 - 100 mg/L (72 h)		Algae
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	LC50	>10 - 100 mg/L (96 h)		Fish
	EC50	>10 - 100 mg/L (48 h)		Crustacean
	EC50	>10 - 100 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
	NOEC			
Bis-[4-(2,3-epoxipropoxi)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	NOEC	Not relevant		
	NOEC	0,3 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Bis-[4-(2,3-epoxipropoxi)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	BOD5	Not relevant	Concentration	Not relevant
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	5 %
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	BOD5	Not relevant	Concentration	19.2 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	96 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Bis-[4-(2,3-epoxipropoxi)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	BCF	31
	Pow Log	3
	Potential	Moderate
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	BCF	882
	Pow Log	6.2
	Potential	High

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Bis-[4-(2,3-epoxipropoxi)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	Koc	450	Henry	Not relevant
	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled CAS: 8007-24-7 EC: 700-991-6	Koc	122.51	Henry	0E+0 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

Insoluble in water

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

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

12.7 Other adverse effects:

Not described

** Changes with regards to the previous version



Safety data sheet (e-SDS)

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

LATALASTIK Part A 24-1418-0005-AA



SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

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

HP14 Ecotoxic

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

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:

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, 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.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The provider has carried out a chemical safety assessment

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.:

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SECTION 16: OTHER INFORMATION (continued)

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 12):

- New declared substances
 - Bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)
 - Prodotti di reazione di oligomerizzazione e alchilazione di 2-fenilpropene e fenolo
- Removed substances
 - Phenol, methylstyrenated (68512-30-1)
 - Bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)

Substances that contribute to the classification (SECTION 2):

- New declared substances
 - Cashew (Anacardium occidentale) Nutshell Extract, Decarboxylated, Distilled (8007-24-7)

Product contains PBT/vPvB substances (SECTION 2, SECTION 12):

- Removed substances
 - Phenol, methylstyrenated (68512-30-1)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Precautionary statements
- Supplementary information

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
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. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: 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
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



ANNEX: SAFE USE

INFORMATION FOR SAFE USE

The relevant exhibition scenarios relating to the substances that make up the mixture are reported in this document.

End-use sector: PROFESSIONAL

Process category:

PROC10: application with rollers or brushes.

PROC19: manual mixing in direct contact, with the sole use of personal protective equipment.

Cashew shell oil

1 - Abbreviated title of the exhibition scenario: Professional application of epoxy resins and hardeners

List of usage descriptors:

Substance supplied for such use in the form of: mixture

End-use sector: professional – SU22

Environmental release category:

ERC08c: extensive internal dispersive use resulting in inclusion in a matrix or application to an ERC08f matrix: extensive external dispersive use resulting in inclusion in an array or application to a matrix

Process categories:

PROC10: application with rollers or brushes.

PROC19: manual mixing in direct contact, with the sole use of personal protective equipment.

2 - Exposure controls, estimation of environmental exposure and reference to its source

Contributory scenario controlling environmental exposure for ERC8c

Product features The starting materials epoxy resins and hardeners contain < 1% CNSL free.

Frequency and duration of use: 365 days/year

Quantities used Used annual tonnage of free CNSL = up to 50 tonnes

Daily quantity of free CNSL used= up to 167 kg/day

Other operating conditions that affect environmental exposure Fraction of tonnage released into the air by the process: 0

Fraction of tonnage released into wastewater from the process: 0.001

Fraction of tonnage released into surface water from the process: 0

Fraction of tonnage released into industrial soil by the process: 0.005

Fraction of tonnage released into agricultural land : 0

Fraction of the main local source: 0.002

On-site technical conditions and measures to reduce or limit discharges, emissions into the air and emissions to the soil: Store in closed systems Collect all waste residues and wastewater in a sealed system for recycling and reuse or disposal by an authorized operator. Ensure general or controlled ventilation (5 to 15 air changes per hour).

Organizational measures to prevent or limit release from the site All waste awaiting collection by the authorised disposal contractor shall be stored in a sealed closed system. The should have an environmental and waste containment plan to prevent release into the aquatic environment.

Conditions and measures relating to the municipal wastewater treatment plant The controlled release of any wastewater potentially containing free CNSL to a municipal wastewater purification was considered both for local fresh water and for marine assessment (for example, wastewater does not exclu waste purification system Size of the municipal wastewater treatment plant: 2000 m³/day

Receiving water flow: 18000 m³/day

Dilution factor (fresh water) = 10

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ANNEX: SAFE USE (continued)

	Dilution factor (marine waters)= 100 Fraction of degraded emissions in the wastewater treatment plant = 93.2% No on-site wastewater treatment was considered which is expected to reduce the concentration of free CNSL municipal wastewater treatment plant and reduce the expected environmental concentration in the water.
Conditions and measures relating to the external treatment of waste for disposal	All waste is to be treated as contaminated chemical waste. Disposal by incineration.
Other measures	Comply with local regulations.
Estimation of environmental exposure	If the risk management measures and recommended operating conditions are complied with, exposures are expected to exceed the expected concentrations without effect and therefore the risk characterisation ratios will be less than 1.
Evaluation method	To obtain estimates reflecting the conditions of use of the Cashew Nut Shell Liquid (CNSL), the default release values in Tables A- & B (EC 20031) and the descriptions of the ERC in the ECHA Guidelines on Chemical Safety Evaluation Assessment Requirements, Chapter R.16: Estimation of Environmental Exposure, were considered. IN this case exposure estimation was made considering predefined assumptions implemented in the EU2S V2.12 exhibition mode.

Contributory scenario controlling environmental exposure for ERC8f

Product features	The starting materials epoxy resins and hardeners contain < 1% CNSL free.
Frequency and duration of use:	365 days/year
Quantities used	Used annual tonnage of free CNSL = up to 50 tonnes Daily quantity of free CNSL used= up to 167 kg/day
Other operating conditions that affect environmental exposure	Fraction of tonnage released into the air by the process: 0 Fraction of tonnage released into wastewater from the process: 0.001 Fraction of tonnage released into surface water from the process: 0 Fraction of tonnage released into industrial soil by the process: 0.005 Fraction of tonnage released into agricultural land : 0 Fraction of the main local source: 0.002
On-site technical conditions and measures to reduce or limit discharges, emissions into the air and emissions to the soil:	Store in closed systems Collect all waste residues and wastewater in a sealed system for recycling and reuse or disposal by an authorized operator. Ensure general or controlled ventilation (5 to 15 air changes per hour).
Organizational measures to prevent or limit release from the site	All waste awaiting collection by the authorised disposal contractor shall be stored in a sealed closed system. The contractor should have an environmental and waste containment plan to prevent release into the aquatic environment.
Conditions and measures relating to the municipal wastewater treatment plant	The controlled release of any wastewater potentially containing free CNSL to a municipal wastewater purification system was considered both for local fresh water and for marine assessment (for example, wastewater does not exclude a water body). Size of the municipal wastewater treatment plant: 2000 m ³ /day Receiving water flow: 18000 m ³ /day Dilution factor (fresh water) = 10 Dilution factor (marine waters)= 100 Fraction of degraded emissions in the wastewater treatment plant = 93.2% No on-site wastewater treatment was considered which is expected to reduce the concentration of free CNSL municipal wastewater treatment plant and reduce the expected environmental concentration in the water.
Conditions and measures relating to the external treatment of waste for disposal	All waste is to be treated as contaminated chemical waste. Disposal by incineration.
Other measures	Comply with local regulations.
Estimation of environmental exposure	If the risk management measures and recommended operating conditions are complied with, exposures are not expected to exceed the expected concentrations without effect and therefore the risk characterisation ratios will be less than 1.
Evaluation method	To obtain estimates reflecting the conditions of use of the Cashew Nut Shell Liquid (CNSL), the default release values in Tables A- & B (EC 20031) and the descriptions of the ERC in the ECHA Guidelines on Chemical Safety Evaluation Assessment Requirements, Chapter R.16: Estimation of Environmental Exposure, were considered. IN this case exposure estimation was made considering predefined assumptions implemented in the EU2S V2.12 exhibition mode.

Contributory scenario that controls worker exposure for PROC10

Covered usage descriptors Application with rollers or brushes

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ANNEX: SAFE USE (continued)

Area of use	Professional (SU22)
Operating conditions	
Concentration of the substance	The resins contain < 1 % of free CNSL.
Physical form of the substance	Liquid
Quantities used:	up to 50 tons of free CNSL per year
Operating temperature	Up to 70°C
Duration and frequency application	8 hours a day, 5 days/week
Human factors not affected by risk management	Not applicable.
Other operating conditions that affect the exposure of insiders	indoor use
Technical conditions and precautions	Indoor: Exhaust air ventilation system (LEV) in processing zones. Delimit the area where possible. Avoid contact with treat surfaces. Wear hand protection (EN374 standard as a minimum), eye protection (EN166 standard as a minimum). Wear the air mask respirator as a minimum EN140. Wear protective clothing (EN368 standard at least in combination with adequate training for the management of personal protective equipment. Duration > 4 hours.
Organizational measures to avoid/limit spillage, dispersion and exposure	Adopt an adequate standard of cleanliness at work.
Management measures for Risks	Immediately clean the spills. Store wastewater and discharges in a sealed system for later disposal by an authorised operator or recycling/reuse. Wear hand protection (EN374 standard as a minimum), eye protection (EN166 standard as a minimum). Typical duration 15 – 60 minutes.
Estimation of exposure and reference to its source	On the basis of known operating conditions and taking into account risk management measures, the expected exposures are not assumed to exceed the expected no-effect derived limits and that the resulting risk characterisation levels are less than 1. Additional risk management measures may be taken for good industrial hygiene.
Valuation method	Estimates for worker exposures for activities associated with cnSL use were evaluated with ECETOC TRAv2.

Contributory scenario controlling worker exposure for PROC19

Covered usage descriptors	manual mixing in direct contact, with the sole use of personal protective equipment.
Area of use	Professional (SU22)
Operating conditions	
Concentration of the substance	The resins contain < 1 % of free CNSL.
Physical form of the substance	Liquid
Quantities used:	up to 50 tons of free CNSL per year
Operating temperature	Up to 70°C
Duration and frequency application	8 hours a day, 5 days/week
Human factors not affected by risk management	Not applicable.
Other operating conditions that affect the exposure of insiders	indoor use
Technical conditions and Precautions	Indoor: Unload and disconnect the mixing system before turning off the equipment or maintenance. Clean each spill immediately. Keep wastewater and discharges in a sealed system for later disposal by authorized operator
Organizational measures to avoid/limit spillage, dispersion and exposure	Adopt an adequate standard of cleanliness at work.

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**ANNEX: SAFE USE (continued)**

Management measures for Risks	Bone protection for hands (EN374 standard as a minimum), eye protection (EN166 minimum standard). Wear protective clothing (EN368 standard at least in combination with adequate training for the management of personal protective equipment. Duration 15-60 min.
Estimation of exposure and reference to its source	On the basis of known operating conditions and taking into account risk management measures, the expected exposures are not assumed to exceed the expected no-effect derived limits and that the resulting risk characterisation levels are less than 1. Additional risk management measures may be taken for good industrial hygiene.
Evaluation method	Estimates for worker exposures for activities associated with CNSL use were evaluated with ECETOC TRAv2.

3 - Downstream User Guide (DU) to assess whether it operates within the limits set by the ES

Health and environment No information.

Phenol methylstyrenate**1 - Abbreviated title of the exhibition scenario: Professional application of epoxy resins and hardeners**

List of usage descriptors:

Substance supplied for such use in the form of: mixture
End-use sector: professional – SU22

Environmental release category:

ERC08c: extensive internal dispersive use resulting in inclusion in a matrix or application to an ERC08f matrix: extensive external dispersive use resulting in inclusion in an array or application to a matrix

Process categories:

PROC10: application with rollers or brushes.

PROC19: Manual mixing with direct contact, with the sole use of personal protective equipment

2 - Exposure controls, estimation of environmental exposure and reference to its source**Contributory scenario controlling environmental exposure for ERC8c**

Product features	The substance is a UVCB complex, not biodegradable.
Frequency and duration of use:	365 days/year, continuous release
Quantities used	Used EU tonnage 3.00E+2 Fraction of EU tonnage used in the 1.00E-1 region Tonnage of use per region (t/year) 3.00E+01 Locally used regional tonnage fraction 2.00E-3 Maximum daily site tonnage (kg/day) 1.64E-1 Annual site tonnage (t/year) 6.00E-2 Daily quantity of free CNSL used= up to 167 kg/day
Unaffected environmental factors	Local freshwater dilution factor 1.00E+1 Local seawater dilution factor 1.00E+2
from risk management	Recipient surface water flow (m3/d) 18000
Other operating	Indoor use.

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ANNEX: SAFE USE (continued)

conditions that affect environmental exposure	Fraction leveled in air by the process (before MMRs) 0																																
	Fraction released in wastewater by the process (before MMRs) 1.00																																
	Fraction released into the soil by the process (before MMRs) 1.00E-4																																
Organizational measures to prevent or limit release from the site	Do not distribute the sludge generated by industrial water treatment on natural soils.																																
Conditions and measures relating to the municipal water purification plant of unloading	Total effectiveness of wastewater removal after on-site and offsite RMM (urban type treatment plant) RMM (%) Estimated substance removal from wastewater with urban treatment plant 8.90E+1 Total effectiveness of removal from wastewater 8.9E+1 Maximum permissible tonnage per site (M _{safe}) based on release after urban wastewater treatment (kg/d) 4.36E+1 Capacity assumed urban wastewater treatment plant (m ³ /d) 0																																
Conditions and measures relating to the external treatment of waste for disposal	The external treatment and disposal of waste must comply with local and/or national regulations.																																
Estimation of environmental exposure	<table border="0"> <tr> <td>Regional PEC in surface water (total) mg/l</td> <td>1.48E-4</td> </tr> <tr> <td>RcR regional part aquatic / fresh water</td> <td>8.25E-3</td> </tr> <tr> <td>Regional PEC in seawater (total) mg/l</td> <td>2.05E-5</td> </tr> <tr> <td>RcR regional part aquatic / sea water</td> <td>1.31E-2</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Regional PEC in soil mg/kg dwt</td> <td>2.72E-2</td> </tr> <tr> <td>Regional RCR in land</td> <td>2.09E-1</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>PEC regioanle in freshwater sediments (total) mg/kg dwt</td> <td>3.66E+0</td> </tr> <tr> <td>Regional RCR in freshwater sediments</td> <td>6.92E-2</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Regional PEC in seawater sediments (total) mg/kg dwt</td> <td>5.78E-1</td> </tr> <tr> <td>Regional RCR in seawater sediments</td> <td>1.09E-1</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>PEC for microorganisms in STP</td> <td>1.96E-4</td> </tr> <tr> <td>RcR wastewater treatment plant</td> <td>8.17E-5</td> </tr> </table>	Regional PEC in surface water (total) mg/l	1.48E-4	RcR regional part aquatic / fresh water	8.25E-3	Regional PEC in seawater (total) mg/l	2.05E-5	RcR regional part aquatic / sea water	1.31E-2			Regional PEC in soil mg/kg dwt	2.72E-2	Regional RCR in land	2.09E-1			PEC regioanle in freshwater sediments (total) mg/kg dwt	3.66E+0	Regional RCR in freshwater sediments	6.92E-2			Regional PEC in seawater sediments (total) mg/kg dwt	5.78E-1	Regional RCR in seawater sediments	1.09E-1			PEC for microorganisms in STP	1.96E-4	RcR wastewater treatment plant	8.17E-5
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PEC for microorganisms in STP	1.96E-4																																
RcR wastewater treatment plant	8.17E-5																																
Method of evaluation	ECETOC TRA v2 in advanced mode with ERC APPROACH.																																

Contributory scenario controlling environmental exposure for ERC8f

Product features	The substance is a UVCB complex, not biodegradable.
Frequency and duration of use:	365 days/year, continuous release
Quantities used	Used EU tonnage 3.00E+2 Fraction of EU tonnage used in the 1.00E-1 region Tonnage of use per region (t/year) 3.00E+01 Locally used regional tonnage fraction 2.00E-3 Maximum daily tonnage of the site (kg/day) 1.64E-1 Annual site tonnage (t/year) 6.00E-2 Daily quantity of free CNSL used= up to 167 kg/day
Environmental	Local dilution factor in fresh water

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ANNEX: SAFE USE (continued)

factors not affected by risk management	1.00E+1 Local dilution factor in seawater 1.00E+2 Recipient surface water flow (m3/d) 18000																																				
Other operating conditions that affect environmental exposure	Indoor use. Fraction leveled in air by the process (before MMRs) 0 Fraction released in wastewater by the process (before MMRs) 1.00 Fraction released into the soil by the process (before MMRs) 1.00E-4																																				
Organizational measures to prevent or limit release from the site	Do not distribute the sludge generated by industrial water treatment on natural soils.																																				
Conditions and measures relating to the municipal water purification plant of unloading	Total effectiveness of wastewater removal after on-site and offsite RMM (urban type treatment plant) RMM (%) Estimated substance removal from wastewater with urban treatment plant 8.90E+1 Total effectiveness of removal from wastewater 8.9E+1 Maximum permissible tonnage per site (Msafe) based on release after urban wastewater treatment (kg/d) 4.36E+1 Capacity assumed urban wastewater treatment plant (m3/d) 0																																				
Conditions and measures relating to the external treatment of waste for disposal	The external treatment and disposal of waste must comply with local and/or national regulations.																																				
Estimation of environmental exposure	<table border="0"> <tr> <td>Regional PEC in surface water (total) mg/l</td> <td>1.48E-4</td> <td>8.25E-3</td> </tr> <tr> <td>RcR regional part aquatic / fresh water</td> <td>2.05E-5</td> <td></td> </tr> <tr> <td>Regional PEC in seawater (total) mg/l</td> <td></td> <td></td> </tr> <tr> <td>RCR regional part aquatic / sea water</td> <td>1.31E-2</td> <td></td> </tr> <tr> <td>Regional PEC in soil mg/kg dwt</td> <td>2.72E-2</td> <td></td> </tr> <tr> <td>Regional RCR in land</td> <td>2.09E-1</td> <td></td> </tr> <tr> <td>Regional PEC in freshwater sediments (total) mg/kg dwt</td> <td>3.66E+0</td> <td></td> </tr> <tr> <td>Regional RCR in freshwater sediments</td> <td>6.92E-2</td> <td></td> </tr> <tr> <td>Regional PEC in seawater sediments (total) mg/kg dwt</td> <td>5.78E-1</td> <td></td> </tr> <tr> <td>Regional RCR in seawater sediments</td> <td>1.09E-1</td> <td></td> </tr> <tr> <td>PEC for microorganisms in STP</td> <td>1.96E-4</td> <td></td> </tr> <tr> <td>RCR wastewater treatment plant</td> <td>8.17E-5</td> <td></td> </tr> </table>	Regional PEC in surface water (total) mg/l	1.48E-4	8.25E-3	RcR regional part aquatic / fresh water	2.05E-5		Regional PEC in seawater (total) mg/l			RCR regional part aquatic / sea water	1.31E-2		Regional PEC in soil mg/kg dwt	2.72E-2		Regional RCR in land	2.09E-1		Regional PEC in freshwater sediments (total) mg/kg dwt	3.66E+0		Regional RCR in freshwater sediments	6.92E-2		Regional PEC in seawater sediments (total) mg/kg dwt	5.78E-1		Regional RCR in seawater sediments	1.09E-1		PEC for microorganisms in STP	1.96E-4		RCR wastewater treatment plant	8.17E-5	
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PEC for microorganisms in STP	1.96E-4																																				
RCR wastewater treatment plant	8.17E-5																																				
Evaluation method	ECETOC TRA v2 in advanced mode with ERC APPROACH.																																				

Contributory scenario that controls worker exposure for PROC10

Covered usage descriptors	Application with rollers or brushes
Area of use	Professional (SU22)
Operating conditions	
Concentration of the substance	Up to 50%
Physical form of the substance	Liquid
Quantities used:	without relevance in Advanced Reach Tool (ART)
Vapour pressure	10 Pa (default ART)
Duration and frequency	8 hours a day, =<240 days/year

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24-1418-0005-AA

ANNEX: SAFE USE (continued)

application	
Human factors not affected by risk management	Not applicable.
Other operating conditions that affect the exposure of insiders	Outdoor
Technical conditions and measures relating to personal protection, hygiene and health assessment.	Wear appropriate gloves (EN374 tested) and eye protection, special training.
Organizational measures to avoid/limit spillage, dispersion and exposure	Avoid frequent and direct contact with the substance. Minimize manual steps. Regular cleaning of equipment a working area. On-site monitoring to verify that the RMM adopted are used correctly and that the CBs are respected.
Estimation of exposure and reference to its source	Long-term exposure – inhalation: 0.72 mg/m3 // RCR 0 .01 Long-term exposure – cutaneous: 1.37 mg/kg/day // RCR 0.08
Evaluation method	Combined RCR 0.10 Advanced Reach Tool (ART)

Contributory scenario controlling worker exposure for PROC19

Covered usage descriptors	Manual mixing with direct contact, with the sole use of personal protective equipment
Area of use	Professional (SU22)
Operating conditions	
Concentration of the substance	Up to 50%
Physical form of the substance	Liquid
Quantities used:	without relevance in Advanced Reach Tool (ART)
Vapour pressure	10 Pa (default ART)
Duration and frequency application	8 hours a day, =<240 days/year
Human factors not affected by risk management	Not applicable.
Other operating conditions that affect the exposure of professionals	Outdoor
Technical conditions and measures relating to personal protection, hygiene and health assessment.	Wear appropriate gloves (EN374 tested) and eye protection, special training.
Organizational measures to avoid/limit spillage, dispersion and exposure	Avoid frequent and direct contact with the substance. Minimize manual steps. Regular cleaning of equipment a working area. On-site monitoring to verify that the RMM adopted are used correctly and that the CBs are respected.
Estimation of exposure and reference to its source	Long-term exposure – inhalation: 7.2E-3 mg/m3 // RCR 0 .00 Long-term exposure – cutaneous: 7.07 mg/kg/day // RCR 0.43
Evaluation method	Combined RCR 0.43 Advanced Reach Tool (ART)

3 - Downstream User Guide (DU) to assess whether it operates within the limits set by the ES

Bless you	Projected exposures are not expected to exceed the DNELs if the risk management measures/oper conditions described are implemented. Where different management measures are taken risks/operating conditions users are required to ensure that risks are managed at at least an equivalent level.
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Safety data sheet (e-SDS)

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

LATALASTIK Part A
24-1418-0005-AA



ANNEX: SAFE USE (continued)

Environment

The required efficiency of wastewater removal can be achieved using onsite/offsite technologies individually or in combination.

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 -