

Safety Data Sheet

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

ACE ARTFOAM ECO 40-45

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

1.1 Product identifier.

Product name: ACE ARTFOAM ECO40-45 POLYOL

UFI: JMF0-X0MH-K007-84P1

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

Relevant uses (Professional users): Foam

For Professional users only.

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

1.3 Details of the supplier of the safety data sheet.

Company: **ACE COATINGS**

Address: Campo Sagrado, 1133205

City: Gijón

Province: Asturias

Telephone: +34 985 323 328

E-mail: info@acecoatings.com

Web: www.acecoatings.com

1.4 Emergency telephone number:

+34 985 32 33 28 (Only available during office hours)

+34 91 562 04 20 Toxicological Information Service

Emergency phone number in Chile (Chemical and/or Toxicological): Corporation RITA-Chile: 2 2777 1994

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP Regulation (EC) No 1272/2008:

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

Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

Eye Dam. 1: Serious eye damage, Category 1, H318

Repr. 1B: Reproductive toxicity, Category 1B, H360

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

Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

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2.2 Label elements.

CLP Regulation (EC) No 1272/2008:



Danger

Hazard statements:

H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H360 - May damage fertility or the unborn child.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing vapours
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P310: Immediately call a poison center/doctor.
P321: Specific treatment is urgently needed (go to see a doctor with the Safety data sheet for this product).
P330: Rinse mouth.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P405: Store locked up.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

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Supplementary information:

Contains Dibutyltin Dilaurate.

Substances that contribute to the classification

Reaction products of phosphoryl trichloride and 2-methyloxirane (CAS: 1244733-77-4); Formaldehyde, polymer with nonylphenol, reaction products with diethanolamine and propylene oxide (CAS: 68610-97-9); Alcohols, C10-16, ethoxylated (7EO) (CAS: 68002-97-1); bis(2-dimethylaminoethyl)(methyl)amine (CAS: 3030-47-5); Dibutyltin Dilaurate (CAS: 77-58-7)

Additional Labelling:

Restricted to professional users

Acute Toxicity Estimate (ATE mix):

61,28 % (oral), 64,44 % (dermal), 75,48 % (LC50 inhalation vapour) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance.

Not relevant.

3.2 Mixture.

Chemical description: Polyurethane resin.

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

Identification	Chemical name/Classification		Concentration
CAS: 1244733-77-4 CE: 807-935-0 Index: No relevant REACH: 01-2119486772-26-XXXX	Reaction products of phosphoryl trichloride and 2-methyloxirane⁽¹⁾	Self-classified	10 - <20 %
	Regulation 1272/2008	Acute Tox. 4: H302 - Warning	
CAS: 68610-97-9 CE: 614-668-1 Index: No relevant REACH: 01-2119928014-47-XXXX	Formaldehyde, polymer with nonylphenol, reaction products with diethanolamine and propylene oxide⁽¹⁾	Self-classified	10 - <20 %
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning	
CAS: 68002-97-1 CE: 500-182-6 Index: No relevant REACH: No relevant	Alcohols, C10-16, ethoxylated (7EO)⁽¹⁾	Self-classified	10 - <20 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 3030-47-5 CE: 221-201-1 Index: 612-109-00-6 REACH: 01-2119979537-18-XXXX	bis(2-dimethylaminoethyl)(methyl)amine⁽¹⁾	Self-classified	1 - <2 %
	Regulation 1272/2008	Acute Tox. 3: H311+H331; Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1B: H314 - Danger	
CAS: 77-58-7 CE: 201-039-8 Index: 050-030-00-3 REACH: 01-2119496068-27-XXXX	Dibutyltin Dilaurate⁽¹⁾	Self-classified	0.1 - <0.5 %
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Muta. 2: H341; Repr. 1B: H360; Skin Sens. 1: H317; STOT RE 1: H372; STOT SE 1: H370 - Danger	

Dirección Corporativa:

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Las Condes-Santiago de Chile

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⁽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
Alcohols, C10-16, ethoxylated (7EO) CAS: 68002-97-1 CE: 500-182-6	% (p/p) >=10: Eye Dam. 1 - H318 1<= % (p/p) <10: 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
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	DL50 oral	632 mg/kg	Rat
	DL50 dermal	No relevant	
	CL50 inhalation vapour	No relevant	
Alcohols, C10-16, ethoxylated (7EO) CAS: 68002-97-1 CE: 500-182-6	DL50 oral	500 mg/kg	
	DL50 dermal	No relevant	
	CL50 inhalation vapour	No relevant	
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	DL50 oral	1330 mg/kg	Rat
	DL50 dermal	300 mg/kg	Rabbit
	CL50 inhalation vapour	3 mg/L	

SECTION 4: FIRST AID MEASURESECCIÓN.

4.1 Description of first aid measures:

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

By inhalation:

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

By skin contact:

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

By eye contact:

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

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By ingestion/aspiration:

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

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

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

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

No 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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...).

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.

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SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For non-emergency personnel:

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

For emergency responders:

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

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

It is recommended:

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

Spillages in water or sea:

Small spillages:

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

Large spillages:

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

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

A.- General precautions for safe use

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

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

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

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

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

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

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

7.3 Specific end use(s):

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation): There are no applicable occupational exposure limits for the substances contained in the product

DNEL(Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	Oral	No relevant	No relevant	No relevant	No relevant
	Dermal	No relevant	No relevant	2,91 mg/kg	No relevant
	Inhalation	No relevant	No relevant	8,2 mg/m ³	No relevant
Formaldehyde, polymer with nonylphenol, reaction products with diethanolamine and propylene oxide CAS: 68610-97-9 CE: 614-668-1	Oral	No relevant	No relevant	No relevant	No relevant
	Dermal	No relevant	No relevant	2,2 mg/kg	No relevant
	Inhalation	No relevant	No relevant	7,7 mg/m ³	No relevant
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	Oral	No relevant	No relevant	No relevant	No relevant
	Dermal	No relevant	No relevant	0,3 mg/kg	No relevant
	Inhalation	No relevant	No relevant	1,058 mg/m ³	No relevant
Dibutyltin Dilaurate CAS: 77-58-7 CE: 201-039-8	Oral	No relevant	No relevant	No relevant	No relevant
	Dermal	2,08 mg/kg	No relevant	0,43 mg/kg	No relevant
	Inhalation	0,059 mg/m ³	No relevant	0,02 mg/m ³	No relevant

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DNEL(General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	Oral	2 mg/kg	No relevant	0,52 mg/kg	No relevant
	Dermal	No relevant	No relevant	1,04 mg/kg	No relevant
	Inhalation	No relevant	No relevant	1,45 mg/m ³	No relevant
Formaldehyde, polymer with nonylphenol, reaction products with diethanolamine and propylene oxide CAS: 68610-97-9 CE: 614-668-1	Oral	No relevant	No relevant	0,9 mg/kg	No relevant
	Dermal	No relevant	No relevant	0,9 mg/kg	No relevant
	Inhalation	No relevant	No relevant	1,6 mg/m ³	No relevant
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	Oral	No relevant	No relevant	0,15 mg/kg	No relevant
	Dermal	No relevant	No relevant	0,15 mg/kg	No relevant
	Inhalation	No relevant	No relevant	0,261 mg/m ³	No relevant
Dibutyltin Dilaurate CAS: 77-58-7 CE: 201-039-8	Oral	0,02 mg/kg	No relevant	0,003 mg/kg	No relevant
	Dermal	0,5 mg/kg	No relevant	0,16 mg/kg	No relevant
	Inhalation	0,04 mg/m ³	No relevant	0,005 mg/m ³	No relevant

PNEC:

Identification				
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	STP	19,1 mg/L	Fresh water	0,32 mg/L
	Soil	0,34 mg/kg	Marine water	0,032 mg/L
	Intermittent	0,51 mg/L	Sediment (Fresh water)	11,5 mg/kg
	Oral	0,0116 g/kg	Sediment (Marine water)	1,15 mg/kg
Formaldehyde, polymer with nonylphenol, reaction products with diethanolamine and propylene oxide CAS: 68610-97-9 CE: 614-668-1	STP	3,14 mg/L	Fresh water	0,0056 mg/L
	Soil	0,017 mg/kg	Marine water	0,00056 mg/L
	Intermittent	0,056 mg/L	Sediment (Fresh water)	0,102 mg/kg
	Oral	No relevante	Sediment (Marine water)	0,01 mg/kg
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	STP	100 mg/L	Fresh water	0,055 mg/L
	Soil	0,047 mg/kg	Marine water	0,005 mg/L
	Intermittent	0,549 mg/L	Sediment (Fresh water)	0,398 mg/kg
	Oral	0,00667 g/kg	Sediment (Marine water)	0,04 mg/kg
Dibutyltin Dilaurate CAS: 77-58-7 CE: 201-039-8	STP	100 mg/L	Fresh water	0 mg/L
	Soil	0,041 mg/kg	Marine water	0 mg/L
	Intermittent	0,005 mg/L	Sediment (Fresh water)	0,05 mg/kg
	Oral	0,0002 g/kg	Sediment (Marine water)	0,005 mg/kg

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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.

Respiratory protection:	
PPE: Labelling: CEN Standard: Remarks:	Filter mask for gases, vapours and particles (Filter type: A) «CE» Cat. III. EN 149:2001+A1:2010 EN 405:2002+A1:2010 EN ISO 136:1998 Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected.
Specific protection for the hands:	
PPE: Labelling: CEN Standard: Remarks:	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm) «CE» Cat. III. EN ISO 21420:2020 Replace the gloves at any sign of deterioration. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.
Eye and face protection:	
PPE: Labelling: CEN Standard: Remarks:	Face shield «CE» Cat. II. EN 166:2002, EN ISO 4007:2018 UNE-EN ISO 18526-1 al 4:2020 Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.
Body protection	
PPE: Labelling: CEN Standard: Remarks:	Disposable clothing for protection against chemical risks «CE» Cat. III. EN 13034:2005+A1:2009 UNE-EN ISO 18526-1 al 4:2020 EN ISO 13982- 1:2005/A1:2011 EN ISO 6529:2013 EN ISO 6530:2005 EN 464:1995 Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.
PPE: Labelling: CEN Standard: Remarks:	Safety footwear for protection against chemical risk «CE» Cat. III. EN ISO 20345:2022 EN 13832-1:2019 Replace boots at any sign of deterioration.

Additional emergency measures:

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

- Emergency shower
- Eyewash stations

Environmental exposure controls:

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

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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/m³ (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:	Not relevant *
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	100 - 561 °C
Vapour pressure at 20 °C:	2277 Pa
Vapour pressure at 50 °C:	11998.89Pa (12 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1069,8 kg/m ³
Relative density at 20 °C:	1,07
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
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:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	229 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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*(Not relevant due to the nature of the product, not providing information property of its hazards)

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9.2 Other information .

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:

Not applicable

10.5 Incompatible materials.

- Avoid strong acids
- Oxidising materials avoid direct impact.
- 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:

Dangerous health implications:

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

A- Ingestion (acute effect):

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

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B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does 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 serious 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: 2,2'-iminodiethanol (2B)

- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: May damage fertility or the unborn child
- 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. However, it does contain substances which are classified as dangerous as a result of a single exposure. 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. However, it does 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

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Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	DL50 oral	632 mg/kg	Rat
	DL50 dermal	>2000 mg/kg	Rat
	CL50 inhalation mist	>7 mg/L (4 h)	Rat
Alcohols, C10-16, ethoxylated (7EO) CAS: 68002-97-1 CE: 500-182-6	DL50 oral	500 mg/kg	
	DL50 dermal		
	CL50 inhalation		
	CL50 inhalation vapour		
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	DL50 oral	1330 mg/kg	Rat
	DL50 dermal	300 mg/kg	Rabbit
	CL50 inhalation vapour	3 mg/L	Rat
Dibutyltin Dilaurate CAS: 3030-47-5 CE: 221-201-1	DL50 oral	2071 mg/kg	Rat
	DL50 dermal		
	CL50 inhalation		
	CL50 inhalation vapour		

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	788,42 mg/kg (Calculation method)	61,8 %
Dermal	8310,87 mg/kg (Calculation method)	64,44 %
CL50 inhalation vapour	57,31 mg/L (4 h) (Calculation method)	75.48 %

11.2 Information on other hazards.

Endocrine disrupting properties

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

Other information

Not relevant

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SECCIÓN 12: ECOLOGICAL INFORMATION.

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

12.1 Toxicity.

Acute toxicity:

Identification	Concentration		Species	Genus
Formaldehyde, polymer with nonylphenol, reaction products with diethanolamine and propylene oxide CAS: 68610-97-9 CE: 614-668-1	CL50	8,8 mg/L (96 h)	Danio rerio	Fish
	CE50	6,5 mg/L (48 h)	Daphnia magna	Crustacean
	CE50	5,6 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Alcohols, C10-16, ethoxylated (7EO) CAS: 68002-97-1 CE: 500-182-6	CL50	>10 - 100 mg/L (96 h)		Fish
	CE50	>10 - 100 mg/L (48 h)		Crustacean
	CE50	>10 - 100 mg/L (72 h)		Algae
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	CL50	157 mg/L (96 h)	Oncorhynchus mykiss	Fish
	CE50	55 mg/L (48 h)	Daphnia magna	Crustacean
	CE50	78 mg/L (72 h)	Desmodesmus subspicatus	Algae
Dibutyltin Dilaurate CAS: 77-58-7 CE: 201-039-8	CL50	>0,1 - 1 mg/L (96 h)		Fish
	CE50	>0,1 - 1 mg/L (48 h)		Crustacean
	CE50	>0,1 - 1 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Reaction products of phosphoryl trichloride and 2-methyloxiraneCAS: 1244733-77-4 CE: 807-935-0	NOEC	No relevant		
	NOEC	32 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	DBO5	No relevant	Concentration	20 mg/L
	DQO	No relevant	Period	28 días
	DBO5/DQO	No relevant	% Biodegradability	14 %
Formaldehyde, polymer with nonylphenol, reaction products with diethanolamine and propylene oxide CAS: 68610-97-9 CE: 614-668-1	DBO5	No relevant	Concentration	3 mg/L
	DQO	No relevant	Period	28 días
	DBO5/DQO	No relevant	% Biodegradability	8,9 %
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	DBO5	No relevant	Concentration	100 mg/L
	DQO	No relevant	Period	28 días
	DBO5/DQO	No relevant	% Biodegradability	0 %
Dibutyltin Dilaurate CAS: 77-58-7 CE: 201-039-8	DBO5	0 g O2/g	Concentration	100 mg/L
	DQO	No relevant	Period	28 días
	DBO5/DQO	No relevant	% Biodegradability	50 %

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12.3 Bioaccumulative potential.

Substance-specific information:

Identification	Bioaccumulation potential	
Reaction products of phosphoryl trichloride and 2- methyloxirane CAS: 1244733-77-4 CE: 807-935-0	BCF	8
	Log POW	3,17
	Potential	Low
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	BCF	3
	Log POW	-2,1
	Potential	Low
Dibutyltin Dilaurate CAS: 77-58-7 CE: 201-039-8	BCF	31
	Log POW	3,12
	Potential	Moderate

12.4 Mobility in soil.

Identificación	Absorption/desorption		Volatility	
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	Koc	324,2	Henry	6E-3 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	No relevant
	Surface tension	No relevant	Moist soil	No relevant
bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 CE: 221-201-1	Koc	36	Henry	1,6E-6 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	No relevant
	Surface tension	No relevant	Moist soil	No relevant

12.5 Results of PBT and vPvB assessment.

Product does not meet PBT/vPvB criterio.

12.6 Propiedades de alteración endocrina:

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

12.7 Other adverse effects.

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Métodos para el tratamiento de residuos.

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances	Hazardous

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

HP14 Ecotoxic, HP6 Acute Toxicity, HP10 Toxic for reproduction, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage.

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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.

SECCIÓN 14: INFORMACIÓN RELATIVA AL TRANSPORTE.

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

SECCIÓN 15: INFORMACIÓN REGLAMENTARIA.

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 (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Dibutyltin Dilaurate (77-58-7)
- 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):

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.

Contains more than 0.5347 % of Dibutyltin Dilaurate by weight. Dibutylester (DBM) compounds may not be used after 1st January 2012 in mixtures and articles intended for the general public when concentration in said mixture or article or in any part of the same is greater than the equivalent of 0.1 % of tin by weight. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to

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prevent the fouling by micro-organisms, plants or animals of: (a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes

(b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming (c) any totally or partly submerged appliance or equipment. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters.

Shall not be used in:

—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

—tricks and jokes,

—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

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

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment.

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION.

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

H360: May damage fertility or the unborn child.

H317: May cause an allergic skin reaction.

H302: Harmful if swallowed..

Texts of the legislative phrases mentioned in section 3:

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

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H311+H331 - Toxic in contact with skin or if inhaled.

Acute Tox. 4: H302 - Harmful if swallowed.

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

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

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

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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.
Muta. 2: H341 - Suspected of causing genetic defects.
Repr. 1B: H360 - May damage fertility or the unborn child.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
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.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure. (Oral).
STOT SE 1: H370 - Causes damage to organs.

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).

Classification procedure:

Eye Dam. 1: Calculation method
Aquatic Chronic 3: Calculation method
Repr. 1B: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Acute Tox. 4: Calculation method

Advice related to training:

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

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

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UFI: unique formula identifier

IARC: International Agency for Research on Cancer

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