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Safety Data Sheet

Conforms to Regulation (EC) n° 1907/2006
(REACH), Anexo II – United Kingdom (UK)

ACE ARTFOAM ECO

30, 40, 50, 60

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

1.1 Product identifier.

Product Name: ACE ARTFOAM ECO 30, 40, 50, 60

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

Relevant uses: Thermal insulation. Exclusive use industrial user

Uses advised against: Any use 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: (Available 24 hours)

Telephone number
+34 977 822 245 (Only available during office hours)
EUROPE: +32 35 75 1234

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Aquatic Acute 1: Hazardous to the aquatic environment — Acute Hazard, Category 1, H400

Aquatic Chronic 1: Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410

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

Skin Corr. 1B: Skin corrosion, category 1B, H314

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2.2 Label elements:

Regulation No. 1272/2008 (CLP)

Danger



Hazard statements:

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary advice:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P280: Wear protective gloves/face protection/protective clothing/protective shoes.

P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses when they are present and can be done easily. Continue with the wash.

P501: Dispose of the content/container using the selective collection system set up in your municipality.

2.3 Other hazards:

The product does not meet the PBT/vPvB criteria

The product contains substances with endocrine disrupting properties: phenol, 4-nonyl-, branched

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not applicable

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3.2 Mixes:

Chemical description: Additives

Components:

According to Annex II of Regulation (CE) n°1907/2006 (point 3), the product presents:

ID	Chemical name/classification		Concentration
CAS: 1244733-77-4 EC: 807-935-0 Index: Not applicable REACH:01-2119486772-26-XXXX	TCPP ⁽¹⁾ self-classified		25 - <50 %
	Regulation 1272/2008	Acute Tox. 4: H302 - Attention 	
CAS: 3030-47-5 EC: 221-201-1 Index: 612-109-00-6 REACH: 01-2119979537-18-XXXX	Bis(2-dimetilaminoetil)(metil)amina ⁽¹⁾ self-classified		2,5 - <10 %
	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: 84852-15-3 EC: 284-325-5 Index: 601-053-00-8 REACH: 01-2119510715-45-XXXX	fenol, 4-nonil-, branched ATP CLP00		2,5 - <10 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Repr. 2: H361fd; Skin Corr. 1B: H314 - Danger    	

(1) Substances that present a risk to health or the environment that meet the criteria set out in Regulation (EU) No. 2020/878.

For more information on the dangerousness of the substances, consult sections 11, 12 and 16.

Additional Information:

ID	M-Factor	
phenol, 4-nonyl-, branched CAS: 84852-15-3 EC: 284-325-5	Sharp	10
	Chronic	10

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SECTION 4: FIRST AID.

4.1 Description of first aid:

Require immediate medical assistance, showing the SDS of this product

By inhalation:

It is a product not classified as dangerous by inhalation, however, in case of symptoms of intoxication, it is recommended to remove the affected person from the place of exposure, supply him with clean air and keep him at rest. Seek medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and shoes, rinse the skin or shower the affected person if necessary with plenty of cold water and neutral soap. In case of serious condition, see a doctor. If the product causes burns or frostbite, clothing should not be removed because it could worsen the injury if it sticks to the skin. In the event of blisters forming on the skin, these should never be burst as this would increase the risk of infection.

By contact with the eyes:

Flush eyes with plenty of water at room temperature for at least 15 minutes. Prevent the affected person from rubbing or closing their eyes. In the event that the injured person wears contact lenses, they must be removed as long as they are not stuck to the eyes, otherwise additional damage could occur. In all cases, after washing, you should go to the doctor as soon as possible with the SDS of the product.

By ingestion/aspiration:

Require immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can cause damage to the mucosa of the upper digestive tract, and its aspiration, to the respiratory tract. Rinse mouth and throat, as there is a possibility that they may have been affected by ingestion. In the case of loss of consciousness, do not administer anything orally until the supervision of the doctor. Keep the patient at rest.

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

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

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

Not relevant

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Non-flammable product under normal conditions of storage, handling and use. In the event of inflammation as a result of improper handling, storage or use, preferably use multipurpose powder fire extinguishers (ABC

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powder), in accordance with the Regulations on fire protection installations (RD 513/2017 and subsequent amendments).

Unsuitable extinguishing media:

Not relevant

5.2 Specific hazards arising from the substance or mixture:

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

5.3 Recommendations for firefighting personnel:

Depending on the magnitude of the fire, the use of full protective clothing and self-contained breathing apparatus may be necessary. Have a minimum of emergency facilities or elements of action (fire blankets, portable first aid kit,...) in accordance with RD486/1997 and subsequent modifications

Additional Provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on action in case of accidents and other emergencies. Remove any source of ignition. In case of fire, refrigerate containers and storage tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid the discharge of the products used in extinguishing the fire into the aquatic environment

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For personnel who are not part of the emergency services:

Isolate leaks as long as it does not pose an additional risk to the people who perform this function. In the face of potential

exposure with the spilled product, the use of personal protection elements is mandatory (see section 8). Evacuate area and keep unprotected people away.

For emergency personnel:

See section 8.

6.2 Environmental precautions:

Avoid at all costs any type of discharge into the aquatic environment. Properly contain the absorbed/collected product in hermetically sealable containers. Notify the competent authority in the event of exposure to the general public or the environment.

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6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spill with sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any consideration related to disposal, consult section 13.

6.4 References to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A. General precautions

Comply with current legislation on occupational risk prevention in terms of manual handling of loads.

Maintain order, cleanliness and dispose of by safe methods (section 6)

B. Technical recommendations for the prevention of risks and explosions

Non-flammable product under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that could affect flammable products. See section 10 on conditions and materials to avoid.

C. Technical recommendations to prevent ergonomic and toxicological hazards

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

D. Technical recommendations to prevent environmental risks.

Due to the danger of this product for the environment, it is recommended to handle it in an area that has contamination control barriers in case of spillage, as well as to have absorbent material in its vicinity.

7.2 Conditions for safe storage, including possible incompatibilities:

A. Technical measures for safe storage, including possible incompatibilities:

ITC (RD656/2014): MIE-APQ-6

Classification: 1B

Minimum temperature: 10°C

Maximum temperature: 25°C

Maximum time: 3 months

B. General storage conditions:

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

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7.3 Specific end uses:

Except for the indications already specified, it is not necessary to make any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limit values must be controlled in the work environment:
INSST 2022:

ID	Environmental limit values	
calcium distearate CAS: 1592-23-0 EC: 216-472-8	VLA-ED	10 mg/m ³
	VLA-EC	10 mg/m ³

DNEL (Workers):

ID		short exposure		Long exposition	
		Systemic	Local	Systemic	Local
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 CE: 807-935-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Cutaneous	Not relevant	Not relevant	2,91 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8,2 mg/m ³	Not relevant
Bis(2-dimethylaminoethyl)(methyl) amine CAS: 3030-47-5 CE: 221-201-1	Oral	Not relevant	Not relevant	No relevante	Not relevant
	Cutaneous	Not relevant	Not relevant	0,3 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,058 mg/m ³	Not relevant
phenol, 4-nonyl-,branched CAS: 84852-15-3 CE: 284-325-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Cutaneous	15 mg/kg	Not relevant	7,5 mg/kg	Not relevant
	Inhalation	1 mg/m ³	Not relevant	0,5 mg/m ³	Not relevant

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DNEL (Population):

ID		Short exposure		Long exposition	
		Systemic	Local	Systemic	Local
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	Oral	2 mg/kg	Not relevant	0,52 mg/kg	Not relevant
	Cutaneous	Not relevant	Not relevant	1,04 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1,45 mg/m ³	Not relevant
Bis(2-dimethylaminoethyl)(methyl) amine CAS: 3030-47-5 EC: 221-201-1	Oral	Not relevant	Not relevant	0,15 mg/kg	Not relevant
	Cutaneous	Not relevant	Not relevant	0,15 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,261 mg/m ³	Not relevant
phenol, 4-nonyl-, branched CAS: 84852-15-3 EC: 284-325-5	Oral	0,4 mg/kg	Not relevant	0,08 mg/kg	Not relevant
	Cutaneous	7,6 mg/kg	Not relevant	3,8 mg/kg	Not relevant
	Inhalation	0,8 mg/m ³	Not relevant	0,4 mg/m ³	Not relevant

PNEC:

Identificación				
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	STP	19,1 mg/L	Sweet water	0.32 mg/L
	I usually	0,34 mg/kg	Saltwater	0.032 mg/L
	Intermittent	0,51 mg/L	Sediment (Fresh water)	11.5 mg/L
	Oral	0,0116 g/kg	Sediment (Salt water)	1.15 mg/L
Bis(2-dimetilaminoetil)(metil)amina CAS: 3030-47-5 EC: 221-201-1	STP	100 mg/L	Sweet water	0.055 mg/L
	I usually	0,047 mg/kg	Saltwater	0.005 mg/L
	Intermittent	0,549 mg/L	Sediment (Fresh water)	0.398 mg/L
	Oral	0,00667 g/kg	Sedimento (Agua salada)	0.04 mg/L
fenol, 4-nonil-, ramificado CAS: 84852-15-3 EC: 284-325-5	SYP	9,5 mg/L	Sweet water	0.001 mg/L
	I usually	2,3 mg/kg	Saltwater	0.001 mg/L
	Intermittent	0 mg/L	Sediment (Fresh water)	4.62 mg/L
	Oral	0,00236 g/kg	Sediment (Salt water)	1.23mg/L

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8.2 Exposure controls:

A) Individual protection measures, such as personal protective equipment

As a preventive measure, the use of basic individual protection equipment is recommended, with the corresponding CE marking in accordance with RD1407/1992 and subsequent modifications. For more information on personal protective equipment (storage, use, cleaning, maintenance, protection class,...) consult the information brochure provided by the PPE manufacturer. The indications contained in this point refer to the pure product. The protection measures for the diluted product may vary depending on its degree of dilution, use, application method, etc. To determine the obligation to install emergency showers and/or eyewashes in warehouses, the regulations regarding the storage of chemical products applicable in each case will be taken into account. For more information see sections 7.1 and 7.2.

All the information included here is a recommendation, and it is necessary to specify it by the occupational risk prevention services, as they are unaware of the additional prevention measures that the company may have or if they have been included in the pertinent risk assessment.

B) Respiratory protection.

The use of protective equipment will be necessary in the event of mist formation or in the event of exceeding the occupational exposure limits, if they exist (See Section 8.1).

C) Specific protection of hands.

Pictogram	PPE	Marked	CEN standards	Observations
 Protection compulsory hands	Non-disposable chemical protection gloves		EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN 420:2004+A1:2010	The breakthrough time (Breakthrough Time) indicated by the manufacturer must be greater than the time of use of the product. Do not use protective creams after contact of the product with the Skin

Since the product is a mixture of different materials, the resistance of the glove material cannot be reliably calculated in advance and therefore has to be checked before application.

D) Eye and face protection.

Pictogram	PPE	Marcado	CEN standards	CEN standards
 mandatory protection Of the face	Face shield		EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Its use is recommended in case of risk of splashes.

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E) body protection

 Protection obligatory of the body	Garment protection against chemical risks		EN 13034:2005+A1:2009 EN 168:2002 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN 464:1994	Exclusive use at work. Periodically clean according to the manufacturer's instructions.
 mandatory protection from the feet	Footwear safety against chemical risk		EN ISO 20345:2011 EN 13832-1:2019	Replace the boots at any sign of deterioration.

F) Additional emergency measures:

Emergency measure	Rules	Emergency measure	Rules
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 eyewash	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

By virtue of the community legislation for the protection of the environment, it is recommended to avoid the discharge of both the product and its packaging into the environment. For additional information see section 7.1.D

Volatile Organic Compounds:

In application to RD117/2003 and subsequent amendments (Directive 2010/75/EU), this product has the following characteristics:

VOC (Supply): 0.01% weight VOC
concentration at 20 °C: 0.11 kg/m³ (0.11 g/L)

Average number of carbons: 8.86

Average molecular weight: 328.41 g/mol

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

To complete the information see the technical data sheet / product specification sheet.

Physical appearance:

Physical state at 20 °C: Liquid

Appearance: Viscous

Colour: Characteristic

Characteristic smell

Odor threshold: Not relevant*

Volatility:

Boiling temperature at atmospheric pressure: 102-302

Vapor pressure at 20 °C: 2241 Pa

Vapor pressure at 50°C: 11809.79 Pa (11.81 kPa)

Evaporation rate at 20 °C: Not relevant*

Product characterization:

Density at 20°C: 1054.1 kg/m³

Relative density at 20 °C: 1.054

Dynamic viscosity at 20 °C: 300-600 cPs

Kinematic viscosity at 20 °C: Not relevant*

Kinematic viscosity at 40 °C: >20.5mm²/s

Concentration: Not relevant *

pH: 7

Vapor density at 20 °C: Not relevant *

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

Solubility in water at 20 °C: Not relevant *

Solubility Property: Not relevant *

Decomposition temperature: Not relevant *

Melting Point/Freezing Point: Not relevant *

Inflammability:

Flashpoint: Non-flammable (>60°C)

Flammability (solid, gas): Not relevant *

Auto-ignition temperature: 370°C

Lower flammability limit: Not relevant *

Upper flammability limit: Not relevant *

Particle Characteristics:

Equivalent mean diameter: Not applicable

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9.2 Other data:

Information regarding physical hazard classes:

Explosive properties: Not relevant *

Oxidizing properties: Not relevant *

Corrosive to metals: Not relevant *

combustion heat: Not relevant *

Aerosols-total percentage (by mass) of flammable components Not relevant *

Other security features:

Surface tension at 20 °C: Not relevant *

Refractive index: Not relevant *

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

**Changes from the previous version

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Hazardous reactions are not expected if the technical storage instructions for chemicals are followed. See section 7.

10.2 Chemical stability:

Chemically stable under indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the indicated conditions, dangerous reactions that could produce excessive pressure or temperatures are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

shock and friction	air contact	Heating	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

acids	Water	Oxidizing materials	Combustible materials	Others
Avoid strong acids	Not applicable	Caution	Not applicable	Avoid alkalis or strong bases

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10.6 Hazardous decomposition products:

See section 10.3, 10.4 and 10.5 for specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released as a consequence: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on the hazard classes defined in Regulation (EC) No 1272/2008:

No experimental data on the product itself regarding toxicological properties are available.

Dangerous effects for health:

In case of repeated, prolonged exposure or at concentrations higher than those established by professional exposure limits, adverse health effects may occur depending on the route 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 ingestion. For more information see section 3.

Corrosivity/Irritability: Corrosive product, its ingestion causes burns destroying the tissues throughout their thickness. For more information on side effects from skin contact see section 2.

B- Inhalation (acute effect):

Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as

dangerous by inhalation. For more information see section 3.

Corrosivity/Irritability: In case of prolonged inhalation, the product is destructive to the tissues of the mucous membranes and the upper respiratory tract.

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

Contact with the skin: Mainly contact with the skin destroys the tissues in all their thickness, causing burns. For more information on side effects from skin contact see section 2.

Eye Contact: Produces significant eye injury upon contact.

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

Carcinogenicity: In view of the available data, the classification criteria are not met, as it does not contain substances classified as dangerous due to the effects described. For more information see section 3.

Mutagenicity: In view of the available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Reproductive toxicity: Based on available data, the classification criteria are not met, however it contains substances classified as dangerous due to this effect. For more information see section 3.

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E- Sensitizing effects:

Respiratory: Based on the available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects above the limits set forth in point 3.2 of Regulation (EC) 2020/878. For more information see sections 2, 3 and 15.

Cutaneous: In view of the available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT)-single exposure:

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

G- Specific target organ toxicity (STOT)-repeated exposure:

Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Skin: In view of the available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

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

Additional Information:

Not relevant

Substance-specific toxicological information:

ID	acute toxicity		Gender
Bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 EC: 221-201-1	DL50 oral	1330 mg/kg	Rat
	DL50 cutaneous	300 mg/kg	Rabbi
	CL50 inhalation	3 mg/L (ATEi)	
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0 phenol, 4-nonyl-, branched CAS: 84852-15-3 EC: 284-325-5	DL50 oral	550 mg/kg	Rat
	DL50 cutaneous	>2000 mg/kg	
	CL50 inhalation	>20 mg/L	
	DL50 oral	1412 mg/kg	Rat
	DL50 cutaneous	>2000 mg/kg	
	CL50 inhalation	>20 mg/L	

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Acute Toxicity Estimate (ATE mix):

ATE mix		Components of unknown toxicity
Oral	2030,42 mg/kg (Calculation ethod)	0%
Cutaneous	11538,46 mg/kg (Calculation ethod)	0%
Inhalation	11538,46 mg/kg (Calculation ethod)	0%

11.2 Information on other hazards:

Endocrine disrupting properties

The product does not meet the criteria for its endocrine disrupting properties

Other data : Not relevant

SECTION 12: ECOLOGICAL INFORMATION:

No experimental data on the mixture itself regarding ecotoxicological properties are available.

12.1 Toxicity:

Acute toxicity:

ID	Concentration		Species	Gender
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	CL50	100 mg/L (96 h)	Danio laughed	Fish
	CE50	131 mg/L (48 h)	daphnia magna	Crustacean
	CE50	82 mg/L (72 h)	Pseudokirchneriella subcapitata	Alga
Bis(2-dimetilaminoetil)(metil)amina CAS: 3030-47-5 EC: 221-201-1	CL50	157 mg/L (96 h)	Oncorhynchus mykiss	Fish
	CE5	55 mg/L (48 h)	daphnia magna	Crustacean
	CE50	78 mg/L (72 h)	Desmodesmus subspicatus	Alga

Long term toxicity:

ID	Concentration		Species	Gender
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	NOEC	Not relevant		
	NOEC	32 mg/L	daphnia magna	Crustacean
phenol, 4-nonyl-, branched CAS: 3030-47-5 CE: 221-201-1	NOEC	0,006 mg/L	Oncorhynchus mykiss	Fish
	NOEC	0,006 mg/L	Daphnia magna	Crustacean

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12.2 Persistence and degradability

ID	degradability		Biodegradability	
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	DBO5	Not relevant	Concentration	20 mg/L
	DQO	Not relevant	Period	28 días
	DBO5/DQO	Not relevant	% Biodegraded	14%
Bis(2-dimethylaminoethyl)(methyl)amine CAS: 3030-47-5 EC: 221-201-1	DBO5	Not relevant	Concentration	100 mg/L
	DQO	Not relevant	Period	28 días
	DBO5/DQO	Not relevant	% Biodegraded	0%

12.3 Bioaccumulative potential

ID	Bioaccumulative potential	
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	BCF	8
	Log POW	3,17
	Potential	Bass
Bis(2-dimetilaminoetil)(metil)amina CAS: 3030-47-5 EC: 221-201-1	BCF	3
	Log POW	-2,1
	Potential	Bass
fenol, 4-nonil-, ramificado CAS: 84852-15-3 EC: 284-325-5	BCF	231
	Log POW	5,4
	Potential	Tall

12.4 Mobility in soil

ID	Absorption/Desorption		Volatility	
Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 EC: 807-935-0	Koc	324,2	Henry	6E-3 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Not relevant
	Surface tension	Not relevant	Wet floor	Not relevant
Bis(2-dimethylaminoethyl)(methyl) amine CAS: 3030-47-5 EC: 221-201-1	Koc	36	Henry	1,6E-6 Pa·m ³ /mol
	Conclusion	Very high	Dry soil	Nope
	Surface tension	Not relevant	Wet floor	Nope
phenol, 4-nonyl-, branched CAS: 84852-15-3 EC: 284-325-5	Koc	22000	Henry	11,02 Pa·m ³ /mol
	Conclusion	Still	Dry soil	Yes
	Surface tension	Not relevant	Wet floor	Yes

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12.5 Results of PBT and vPvB assessment:
The product does not meet the PBT/vPvB criteria

12.6 Endocrine disrupting properties

Contains phenol, 4-nonyl-, branched. A substance will be considered to have endocrine disrupting properties that may have adverse effects on non-target organisms if:

- a) shows adverse effects on non-target organisms, i.e. a change in the morphology, physiology, growth, development, reproduction or life span of an organism, system or (sub)population that results in a impaired functional capacity, decreased ability to compensate for additional stress, or increased susceptibility to other influences
- b) has an endocrine mode of action, that is, it alters the functions of the endocrine system
- c) the adverse effect is due to the endocrine mode of action.

12.7 Other adverse effects:
not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Methods for waste treatment:

Code	Description	Type of waste (Regulation (EU) No. 1357/2014)
08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances	Dangerous

Type of waste (Regulation (EU) n°137/2014):

HP14 Ecotoxic, HP6 Acute toxicity, HP8 Corrosive

Waste management (elimination and recovery):

Consult the authorized waste manager for recovery and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, Law 22/2011). In accordance with codes 15 01 (2014/955/EU) in the event that the container has been in direct contact with the product, it will be managed in the same way as the product itself, otherwise it will be managed as non-hazardous waste. Its discharge into watercourses is not recommended. See section 6.2.

Legislative provisions related to waste management:

According to Annex II of Regulation (EC) No. 1907/2006 (REACH), the community or state provisions related to waste management are collected.

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No. 1357/2014

National legislation: Law 22/2011, Royal Decree 180/2015, Law 11/1997

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SECTION 14: TRANSPORTATION INFORMATION

The product is not classified for any means of transport

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

Candidate substances for authorization in Regulation (EC) 1907/2006 (REACH): phenol, 4-nonyl-, branched

Substances included in Annex XIV of REACH (authorization list) and expiration date: Not relevant

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

Active substances which have been included in Article 95 of Regulation (EU) No. 528/2012: Not relevant
REGULATION (EU) No 649/2012, regarding the export and import of dangerous chemical products: Contains phenol, 4- nonyl-, branched

Severus III:

Section	Description	Requirements lower level	Requirement stop level
E1	HAZARDS FOR THE ENVIRONMENT	100	200

Restrictions on the marketing and use of certain dangerous substances and mixtures (Annex XVII of the REACH Regulation, etc...):

Contains phenol, 4-nonyl-, branched in quantity greater than 0.1% weight. They shall not be marketed or used as substances or in mixtures with a concentration equal to or greater than 0.1 by weight for the following purposes:

- 1) Industrial and institutional cleaning, except: - controlled and closed dry cleaning systems in which the cleaning liquid is recycled or incinerated, - cleaning systems with special treatment in which the cleaning liquid is recycled or incinerated.
- 2) Domestic cleaning.
- 3) Treatment of textiles and leather, except: - discharge-free treatment in wastewater, - systems with a special treatment in which the water is subjected to a pre-treatment to completely remove the organic fraction before the biological treatment of wastewater (degreasing of sheep skins).
- 4) Emulsifier in livestock for washing teats by immersion.
- 5) Metallurgy, except: uses in controlled and closed systems where the cleaning liquid is recycled or incinerated.
- 6) Manufacture of pulp and paper.
- 7) Products cosmetics.
- 8) Other personal care products except: spermicides.

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9) As adjuvants in pesticides and biocides. However, national authorizations for pesticides or biocides containing nonylphenol ethoxylates as an adjuvant, granted before July 17, 2003, will not be affected by this restriction until their expiration date.

They will not be used in: - decorative articles intended to produce lighting or color effects obtained through different phases, for example, ambient lamps and ashtrays, - fun and joke items, - games for one or more participants or any item to be used as such, even for decoration. Contains Decamethylcyclopentasiloxane, Octamethylcyclotetrasiloxane. 1. | They will not be marketed in cosmetic products that are removed with water in a concentration greater than or equal to 0.1% by weight of any of the substances after January 31, 2020. | 2. | For the purposes of this entry, "cosmetic products that are removed with water" are understood as cosmetic products defined in Article 2, paragraph 1, letter a), of Regulation (EC) No 1223/2009 that, under normal conditions of use, are removed with water after application.'

Specific provisions regarding the protection of people or the environment:

It is recommended that the information compiled in this safety data sheet be used as input data in a risk assessment of local circumstances in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product. .

Other legislations:

Regulation (CE) no 1272/2008 of the European Parliament and of the Council, of December 16, 2008, on classification, labeling and packaging of substances and mixtures, and by which Directives 67/548/CEE and 1999 are modified and repealed /45/EC and amending Regulation (EC) No 1907/2006 and all its subsequent amendments.

15.2 Chemical Safety Assessment:

The supplier has not carried out a chemical safety assessment.

SECTION 16: OTHER INFORMATION

Legislation applicable to safety data sheets:

This safety data sheet has been developed in accordance with ANNEX II-Guide for the preparation of Safety Data Sheets of Regulation (EC) No. 1907/2006 (REGULATION (EU) 2020/878 OF THE COMMISSION) Modifications with respect to the previous safety data sheet that affect risk management measures:

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COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):

-Withdrawn substances:

Styrene (100-42-5)

Substances contributing to the classification (SECTION 2): - Withdrawn substances:

Styrene (100-42-5)

Regulation n°1272/2008 (CLP) (SECTION 2, SECTION 16): - Pictograms

- Indicationsthe dangerous

- precautionary advice

Information on basic physical and chemical properties (SECTION 9): - Flashpoint

Texts of the legislative phrases referred to in section 2:

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H410: Very toxic to aquatic life with long lasting effects.

H400: Very toxic to aquatic organisms

Texts of the legislative phrases referred to in section 3:

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

Regulation n°1272/2008 (CLP):

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 organisms.

Aquatic Chronic 1: H410 - Very 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.

Repr. 2: H361fd - Suspected of damaging fertility. It is suspected that it damages the fetus.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Classification procedure:

Skin Corr. 1B: Calculation method

Eye Dam. 1: Calculation method

Aquatic Chronic 1: Calculation Method

Aquatic Acute 1: Calculation method

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Advice related to training:

Minimum training in occupational risk prevention is recommended for personnel who are going to handle this product, in order to facilitate the understanding and interpretation of this safety data sheet, as well as product labeling.

Main bibliographic sources:

<http://echa.europa.eu>

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

Abbreviations and acronyms:

ADR: Europe Agreement relating to the international transport of dangerous goods by road

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

COD: Chemical Oxygen Demand

BOD5: Biological Oxygen Demand at 5 days

BCF: Bioconcentration Factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective Concentration 50

Log POW: Octanol/Water Partition Coefficient Logarithm

Koc: Organic Carbon Partition Coefficient

SDS: Safety Data Sheet

UFI: Formula Unique 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, and its accuracy cannot be guaranteed. This information cannot be considered as a guarantee of the properties of the product, it is simply a description of the safety requirements. The methodology and working conditions of the users of this product are beyond our knowledge and control, and it is always the ultimate responsibility of the user to take the necessary measures to adapt to the legislative requirements regarding the handling, storage, use and disposal of chemical products. . The information in this safety data sheet only refers to this product.

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