



Safety Data Sheet according to WHS Regulations

Date of issue: 30.06.2025

Version number 2


Revision: 30.06.2025

* 1 Identification

- **Other means of identification**
- **Trade name:** GC11A
- **Article number:** 3350100004A
- **Relevant identified uses of the substance or mixture and uses advised against** Professional use only.
- **Application of the substance / the mixture** Hardening agent/ Curing agent
- **Details of the supplier of the safety data sheet**
- **Supplier:**
Alfa Laval Technologies AB
SE-221 00 Lund
Sweden
+46 46 36 65 00
info.se@alfalaval.com

Australian supplier:
Alfa Laval Australia Pty Ltd
Locked Bag 40, Blacktown Business Centre
NSW - NSW-2148 Blacktown
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Tel switchboard: +61 2 8822 2700 - Fax switchboard: +61 2 8822 2799
www.alfalaval.com.au
australia.info@alfalaval.com
- **Further information obtainable from:**
For further questions regarding the safety data sheet, please contact your local Alfa Laval Sales Company which you find at www.alfalaval.com or in section 16 "Other Information" in the end of the safety data sheet
- **Emergency telephone number:**
Call 000 or 112 and ask for poison information.
Australian Poisons Information Centre Tel:13 11 26

* 2 Hazard(s) Identification

- **Classification of the substance or mixture**
Skin corrosion/irritation – Category 1B H314 Causes severe skin burns and eye damage.
Eye damage/irritation – Category 1 H318 Causes serious eye damage.
Skin sensitisation – Category 1 H317 May cause an allergic skin reaction.
- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

- **Signal word** Danger
- **Hazard-determining components of labelling:**
3,3'-oxybis(ethyleneoxy)bis(propylamine) (15-40 %)

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2,4,6-tris(dimethylaminomethyl)phenol (1-5 %)

2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxy-4-(1-piperazinyl)ethylaminobutyl-terminated (5-20 %)

Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Precautionary statements

P260 Do not breathe vapours.

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

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

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

P310 Immediately call a POISON CENTER/doctor.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards Contains 1-piperazinethanamine. May produce an allergic reaction.**Results of PBT and vPvB assessment****PBT:** The product is not, nor contains, a substance that is, PBT.**vPvB:** The product is not, nor contains a substance that is, vPvB.

* 3 Composition and Information on Ingredients

Chemical characterisation: Mixtures**Description:** Mixture: consisting of the following components.**Dangerous components:**

CAS: 1332-58-7	Kaolin	15-40%
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol Skin corrosion/irritation – Category 1C, H314; Eye damage/irritation – Category 1, H318; Acute toxicity - oral – Category 4, H302	1-5%
CAS: 140-31-8	2-piperazin-1-ylethylamine Acute toxicity - dermal – Category 3, H311; Reproductive toxicity – Category 2, H361d; Specific target organ toxicity (repeated exposure) – Category 1, H372; Skin corrosion/irritation – Category 1B, H314; Acute toxicity - oral – Category 4, H302; Skin sensitisation – Category 1, H317; Flammable liquids – Category 4, H227	<1%
CAS: 9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia Skin corrosion/irritation – Category 1C, H314; Eye damage/irritation – Category 1, H318	30-60%
CAS: 68683-29-4	2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxy-4-(1-piperazinyl)ethylaminobutyl-terminated Skin corrosion/irritation – Category 2, H315; Skin sensitisation – Category 1A, H317	5-20%

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CAS: 13463-67-7	titanium dioxide	<1%
	Carcinogenicity – Category 2, H351	
CAS: 4246-51-9	3,3'-oxybis(ethyleneoxy)bis(propylamine)	15-40%
	Skin corrosion/irritation – Category 1B, H314; Eye damage/irritation – Category 1, H318; Skin sensitisation – Category 1, H317	
· Non-dangerous components		
CAS: 67762-90-7	Dimethyl siloxane, reaction product with silicon oxide	1-5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

* 4 First Aid Measures

· **General information:**

Immediately remove any clothing soiled by the product.
Wash contaminated clothing before reuse.

· **After inhalation:** Supply fresh air; consult doctor if symptoms persist.· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
If symptoms persist consult a doctor.

· **After eye contact:**

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek immediate medical advice.

· **After swallowing:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Call for a doctor immediately.

· **Most important symptoms and effects, both acute and delayed**

Corrosion of the skin.

Allergic reactions

Corrosive effects. Can cause permanent eye damage.

· **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

5 Fire Fighting Measures

· **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Water

Foam

Carbon dioxide

· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide

Nitrogen oxides (NO_x)

· **Protective equipment:** Wear self-contained respiratory protective device.· **Additional information**

Cool endangered receptacles with water spray.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Do not breathe vapour.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Do not use the product until you have read and understood the safety instructions.
Eye wash bottle or emergency eye wash fountain must be found in the work place.
Ensure adequate ventilation
Do not breathe vapour.
When using do not eat, drink or smoke.
See Section 8 for information on personal protection equipment.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep away from heat and direct sunlight.
- **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from oxidising agents.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)**
Adhesives
Professional use only.

* 8 Exposure controls and personal protection

- **Appropriate engineering controls** Use only in well-ventilated areas.

Ingredients with limit values that require monitoring at the workplace:	
CAS: 1332-58-7 Kaolin	
WES	Long-term value: 10 mg/m ³ inhalable dust
CAS: 13463-67-7 titanium dioxide	
WES	Long-term value: 10 mg/m ³ inhalable dust

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· DNELs		
CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol		
Inhalative	DNEL - Acute, Systemic effects	0.31 mg/m3 (Worker)
CAS: 140-31-8 2-piperazin-1-ylethylamine		
Inhalative	DNEL - Long term, Systemic effects	3.6 mg/m3 (Worker)
· PNECs		
CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol		
PNEC	0.084 mg/L (Freshwater)	
PNEC	0.2 mg/L (Water treatment plant)	
CAS: 140-31-8 2-piperazin-1-ylethylamine		
PNEC	0.058 mg/L (Freshwater)	

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Ensure that washing facilities are available at the work place.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

Filter A/P2

· **Protection of hands:**



Protective gloves

· **Material of gloves**

polymer laminate

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

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- **Limitation and supervision of exposure into the environment**
Do not allow to enter sewers/ surface or ground water.

* 9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Paste
- **Colour:** Yellowish
- **Odour:** Amine-like
- **Odour threshold:** Not determined.
- **pH-value:** Mixture is non-soluble (in water).
- **Change in condition**
- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** Not applicable.
Undetermined.
- **Flash point:** ≥ 150 °C (Closed cup)
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not applicable.
- **Upper:** Not applicable.
- **Oxidising properties** Not applicable.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** 1.25-1.35 g/cm³
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Slightly soluble.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **Dynamic:** Not applicable.
- **Kinematic:** Not determined.
- **Other information** No further relevant information available.
- **Additional information**
- **Particle characteristics** Not determined.
- **Physical state** Solid

* 10 Stability and Reactivity

- **Reactivity**
This product can be reactive with certain compounds under some circumstances - please see headings in this section.
- **Chemical stability**
Stable under normal temperature conditions and under recommended usage and storage.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**
Avoid curing large quantities to prevent premature reaction (exothermic) with excessive heat and smoke.
- **Incompatible materials:**
Strong acids
Strong oxidising agents
- **Hazardous decomposition products:** None known.

* 11 Toxicological Information

· Information on toxicological effects

· Acute toxicity

	ATE (calculated)	2,000-5,000 mg/kg (Dermal) >5,000 mg/kg (Oral)
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CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Dermal	NOAEL	125 mg/kg (Rat) (28 d)
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CAS: 140-31-8 2-piperazin-1-ylethylamine

Oral	NOAEL	598 mg/kg (Rat)
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· LD/LC50 values relevant for classification:

CAS: 68683-29-4 2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxy-4-(1-piperazinyl)ethylaminobutyl-terminated

Oral	LD50	>15,300 mg/kg (Rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Oral	LD50	1,000 mg/kg (Rat)
Dermal	LD50	1,280 mg/kg (Rat)

CAS: 140-31-8 2-piperazin-1-ylethylamine

Oral	LD50	1,470 mg/kg (Rat)
Dermal	LD50	865 mg/kg (rabbit)

CAS: 13463-67-7 titanium dioxide

Oral	LD50	>10,000 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50 (4 h)	>6.82 mg/L (Rat)

CAS: 67762-90-7 Dimethyl siloxane, reaction product with silicon oxide

Oral	LD50	>5,110 mg/kg (Rat)
Inhalative	LC50 (4 h)	>0.691 mg/L (Rat)

CAS: 4246-51-9 3,3'-oxybis(ethyleneoxy)bis(propylamine)

Oral	LD50	3,160 mg/kg (Rat)
Dermal	LD50	2,500 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes burns.

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CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Irritation of skin | Skin Corrosion/Irritation

CAS: 140-31-8 2-piperazin-1-ylethylamine

Irritation of skin | Skin Corrosion/Irritation (rabbit)

CAS: 4246-51-9 3,3'-oxybis(ethyleneoxy)bis(propylamine)

Irritation of skin | Skin Corrosion/Irritation /Corrosive (rabbit)

· **Serious eye damage/irritation**

Causes burns.

CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Irritation of eyes | Serious Eye Damage/Irritation

CAS: 140-31-8 2-piperazin-1-ylethylamine

Irritation of eyes | Serious Eye Damage/Irritation (rabbit)

· **Respiratory or skin sensitisation**

May cause an allergic skin reaction.

CAS: 140-31-8 2-piperazin-1-ylethylamine

Sensitisation | Respiratory or skin sensitization (Guinea pig)

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.· **Interactive effects**· **Acute effects (acute toxicity, irritation and corrosivity)**

May cause damage to the digestive system if swallowed.

* 12 Ecological Information

· **Toxicity**· **Aquatic toxicity:****CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol**

LC50 (96 h) | 718 mg/L (Daphnia)

175 mg/L (fish)

EC50 (72 h) | 84 mg/L (algae)

NOEC - No observed effect concentration | 6.25 mg/l (algae)

CAS: 140-31-8 2-piperazin-1-ylethylamine

LC50 (96 h) | 368 mg/L (fish)

EC50 (48 h) | 58 mg/L (Daphnia)

EC50 (72 h) | >1,000 mg/L (algae)

NOEC - No observed effect concentration | 31 mg/l (algae)

CAS: 4246-51-9 3,3'-oxybis(ethyleneoxy)bis(propylamine)

LC50 (96 h) | >1,000 mg/L (fish) (Experimental)

EC50 (48 h) | 218 mg/L (Daphnia) (Experimental)

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EC50 (72 h)	>500 mg/L (algae) (Experimental)
Persistence and degradability	
CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	
Biodegradability	4 % (OECD 301D)
CAS: 140-31-8 2-piperazin-1-ylethylamine	
Biodegradability	0 % (OECD 301C)
CAS: 4246-51-9 3,3'-oxybis(ethyleneoxy)bis(propylamine)	
Biodegradability	8 % /25 d, CO2 evo (OECD 301B (CO2))
Behaviour in environmental systems:	
Bioaccumulative potential	
CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	
log Pow	0.66
CAS: 140-31-8 2-piperazin-1-ylethylamine	
log Pow	0.3
CAS: 4246-51-9 3,3'-oxybis(ethyleneoxy)bis(propylamine)	
log Pow	1.25
Mobility in soil No further relevant information available.	
Results of PBT and vPvB assessment	
PBT: The product is not, nor contains, a substance that is, PBT.	
vPvB: The product is not, nor contains a substance that is, vPvB.	
Other adverse effects No further relevant information available.	

* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Dispose of waste in an approved waste disposal facility.
- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

* 14 Transport information

· UN-Number	
· ADG, IMDG, IATA	UN3259
· UN proper shipping name	
· ADG	1760 CORROSIVE LIQUID, N.O.S. (3,3'-oxybis(ethyleneoxy)bis(propylamine))
· IMDG, IATA	AMINES, SOLID, CORROSIVE, N.O.S. (3,3'-oxybis(ethyleneoxy)bis(propylamine), N-AMINOETHYLPIPERAZINE)

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· Transport hazard class(es)	
· ADG	
	
· Class	8 Corrosive substances.
· IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· Packing group	
· ADG, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Corrosive substances.
· EMS Number:	F-A,S-B
· Stowage Category	A
· Segregation Code	SG35 Stow "separated from" SGG1-acids
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	
· Limited quantities (LQ)	1 kg
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Tunnel restriction code	DE
· IMDG	
· Limited quantities (LQ)	1 kg
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (3,3'-OXYBIS(ETHYLENEOXY)BIS(PROPYLAMINE)), 8, II

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* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

- **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

- **Australia: Priority Existing Chemicals**

All ingredients are listed.

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



- **Signal word** Danger

- **Hazard-determining components of labelling:**

3,3'-oxybis(ethyleneoxy)bis(propylamine) (15-40 %)

2,4,6-tris(dimethylaminomethyl)phenol (1-5 %)

2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxy-4-(1-piperazinyl)ethylaminobutyl-terminated (5-20 %)

- **Hazard statements**

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

- **Precautionary statements**

P260 Do not breathe vapours.

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

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

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

P310 Immediately call a POISON CENTER/doctor.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their

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own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers. Please contact your local Alfa Laval Sales Company for further questions.

Relevant phrases

- H227 Combustible liquid.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H351 Suspected of causing cancer.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.

Department issuing SDS: Alfa Laval Corporate Standards & Regulatory Operations**Contact:**

Please contact your local Alfa Laval Sales Company for further questions.

Argentina: alfa.consulta@alfalaval.comAustralia: australia.info@alfalaval.comAustria: info.mideurope@alfalaval.comBelgium: benelux.info@alfalaval.comBolivia: alfa.consulta@alfalaval.comBrazil: alfalaval.br@alfalaval.comBulgaria: bulgaria.info@alfalaval.comCanada: alfacan.info@alfalaval.comChile: chile.informacion@alfalaval.comChina: china.info@alfalaval.comColombia: info.colombia@alfalaval.comCroatia: hrvatska.info@alfalaval.comCzech Republic: czechrepublic.info@alfalaval.comDenmark: info.nordic.dk@alfalaval.comEgypt: alme.marketing@alfalaval.comEstonia: estonia.info@alfalaval.comFinland: info.fi@alfalaval.comFrance: environnement@alfalaval.comGermany: info.mideurope@alfalaval.comGreece: greece.info@alfalaval.comHungary: info.hu@alfalaval.comIndia: india.info@alfalaval.comIndonesia: alfalindo@alfalaval.comIsrael: israel.info@alfalaval.comItaly: alfalaval.italia@alfalaval.comJapan: hp.alfajp@alfalaval.comLatvia: latvia.info@alfalaval.comLithuania: lithuania.info@alfalaval.comMalaysia: malaysia.info@alfalaval.comMexico: mexico.info@alfalaval.com

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Norway: info.no@alfalaval.com
Peru: ventas.peru@alfalaval.com
Philippines: philippines.info@alfalaval.com
Poland: poland.info@alfalaval.com
Portugal: portugal.info@alfalaval.com
Qatar: alme.marketing@alfalaval.com
Romania: romania.info@alfalaval.com
Russia: moscow.response@alfalaval.com
Singapore: al.singapore@alfalaval.com
Slovak Republic: slovakia.info@alfalaval.com
Slovenia: slovenija.info@alfalaval.com
South Africa: info.sa@alfalaval.com
Spain: info.spain@alfalaval.com
Sweden: info.se@alfalaval.com
Switzerland: info.mideurope@alfalaval.com
Taiwan: taiwan.info@alfalaval.com
Thailand: thailand.info@alfalaval.com
Turkey: turkey@alfalaval.com
Ukraine: ukraine.info@alfalaval.com
United Arab Emirates: alme.marketing@alfalaval.com
United Kingdom: general.uk@alfalaval.com
United States: customerservice.usa@alfalaval.com
Venezuela: venezuela.info@alfalaval.com
Vietnam: vietnam.info@alfalaval.com

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flammable liquids – Category 4: Flammable liquids – Category 4
Acute toxicity - oral – Category 4: Acute toxicity – Category 4
Acute toxicity - dermal – Category 3: Acute toxicity – Category 3
Skin corrosion/irritation – Category 1B: Skin corrosion/irritation – Category 1B
Skin corrosion/irritation – Category 1C: Skin corrosion/irritation – Category 1C
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1
Skin sensitisation – Category 1: Skin sensitisation – Category 1
Skin sensitisation – Category 1A: Skin sensitisation – Category 1A
Carcinogenicity – Category 2: Carcinogenicity – Category 2
Reproductive toxicity – Category 2: Reproductive toxicity – Category 2
Specific target organ toxicity (repeated exposure) – Category 1: Specific target organ toxicity (repeated exposure) – Category 1

*** Data compared to the previous version altered.**