

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2022

Version 4

Reviewed on 03/30/2022

1 Identification

- **Product identifier**
- **Trade name: GC11A**
- **Article number:** 3350100004A
- **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
- **Information department:**
For additional questions regarding safety data sheets please contact your local Alfa Laval Sales Company which you find on www.alfalaval.com or in safety data sheet under section 16: Other Informaion
- **Emergency telephone number:**
Call CHEMTREC
+1 703-741-5970 / 1-800-424-9300 CCN 844

2 Hazard(s) identification

- **Classification of the substance or mixture**
Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Repr. 2 H361 Suspected of damaging fertility or the unborn child.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia
2-Propennitril, polymer with 1,3-butadien, 1-cyano-1-metyl-4-oxi-4-(1-piperazinyl)etylaminobutyl-terminated
2,4,6-tris(dimethylaminomethyl)phenol
2-piperazin-1-ylethylamine
- **Hazard statements**
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
- **Precautionary statements**
P260 Do not breathe vapours.

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- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 If on skin (or hair): 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.
- **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/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture: consisting of the following components.

CAS: 67762-90-7	Dimethyl siloxane, reaction product with silicon oxide	1-5%
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- **Dangerous components:**

CAS: 9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia Skin Corr. 1C, H314; Eye Dam. 1, H318	30-60%
CAS: 1332-58-7	Kaolin	15-40%
CAS: 68683-29-4	2-Propennitril, polymer with 1,3-butadien, 1-cyano-1-metyl-4-oxi-4-(1-piperazinyl)etylaminobutyl-terminated Skin Irrit. 2, H315; Skin Sens. 1, H317	10-20%
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol Skin Corr. 1C, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	1-5%
CAS: 140-31-8	2-piperazin-1-ylethylamine Acute Tox. 3, H311; Repr. 2, H361; STOT RE 1, H372; Skin Corr. 1B, H314; Acute Tox. 4, H302; Skin Sens. 1, H317; Flam. Liq. 4, H227	<1%
CAS: 13463-67-7	titanium dioxide Carc. 2, H351	<1%

4 First-aid measures

- **Description of 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 in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If symptoms persist consult doctor.
- **After eye contact:**
Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Seek immediate medical advice.

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- **After swallowing:**
If swallowed: Rinse mouth. Do NOT induce vomiting.
Immediately call a doctor.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
Treat symptomatically

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Use fire fighting measures that suit the environment.
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)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
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 item 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.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

CAS: 9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	4.8 mg/m ³
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	6.5 mg/m ³
CAS: 67762-90-7	Dimethyl siloxane, reaction product with silicon oxide	120 mg/m ³
CAS: 140-31-8	2-piperazin-1-ylethylamine	6.4 mg/m ³

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CAS: 13463-67-7	titanium dioxide	30 mg/m ³
· PAC-2:		
CAS: 9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	53 mg/m ³
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	72 mg/m ³
CAS: 67762-90-7	Dimethyl siloxane, reaction product with silicon oxide	1,300 mg/m ³
CAS: 140-31-8	2-piperazin-1-ylethylamine	71 mg/m ³
CAS: 13463-67-7	titanium dioxide	330 mg/m ³
· PAC-3:		
CAS: 9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	320 mg/m ³
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	430 mg/m ³
CAS: 67762-90-7	Dimethyl siloxane, reaction product with silicon oxide	7,900 mg/m ³
CAS: 140-31-8	2-piperazin-1-ylethylamine	420 mg/m ³
CAS: 13463-67-7	titanium dioxide	2,000 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 - 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.
- **Conditions for safe storage, including any incompatibilities**
- **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 oxidizing agents.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)**
 - Adhesives
 - Professional use only.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** Use only in well-ventilated areas.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 - The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
 - At this time, the other constituents have no known exposure limits.

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CAS: 1332-58-7 Kaolin

PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; as respirable fraction, A4

CAS: 13463-67-7 titanium dioxide

PEL	Long-term value: 15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: (10) NIC-0.2* NIC-2.5** mg/m ³ NIC: resp. fraction, *nanoscale, **finescale, A3

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

· **Exposure controls**

· **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.

· **Breathing equipment:**

In case of insufficient ventilation, wear suitable respiratory equipment.
Filter A/P2

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Butyl rubber, BR

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

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· **Body protection:**



Protective work clothing

· **Limitation and supervision of exposure into the environment**

Do not allow to enter sewers/ surface or ground water.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· Form:	Pasty
· Color:	Whitish
· Odor:	Amine-like
· Odor threshold:	Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Not applicable. Undetermined.

· **Flash point:** ≥100 °C (≥212 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

· Lower:	Not applicable.
· Upper:	Not applicable.

· **Oxidizing properties** Not applicable.

· **Vapor pressure:** Not determined.

· **Density:** Not determined.

· **Relative density** 1.25-1.31 g/cm³ (10.43125-10.93195 lbs/gal)

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

· **Water:** Not determined.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· Dynamic:	Not applicable.
· Kinematic:	Not determined.

Not applicable.

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· **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** The material is stable under recommended storage and handling conditions.
- **Chemical stability**
Stable under normal temperature conditions and under recommended usage and storage.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Keep away from heat.
- **Incompatible materials:** Reacts with strong oxidizing 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	NOEAL	598 mg/kg (Rat)
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· **LD/LC50 values that are relevant for classification:**

CAS: 9046-10-0 Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

Oral	LD50	2,885 mg/kg (Rat)
Dermal	LD50	2,980 mg/kg (Rat)

CAS: 1332-58-7 Kaolin

Oral	LD50	>15,000 mg/kg (Worker)
Dermal	LD50	>5,000 mg/kg

CAS: 68683-29-4 2-Propennitril, polymer with 1,3-butadien,1-cyano-1-metyl-4-oxi-4-(1-piperazinyl)etylaminobutyl-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	>20,000 mg/kg (Rat)
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Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	>6.82 mg/L (Rat)

- **Primary irritant effect:**

- **on the skin:**

Causes burns.

Caustic effect on skin and mucous membranes.

CAS: 9046-10-0 Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia		
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Irritation of skin	Skin Corrosion/Irritation	(Rabbit) (OECD 404)
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CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol		
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Irritation of skin	Skin Corrosion/Irritation	
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CAS: 140-31-8 2-piperazin-1-ylethylamine		
---	--	--

Irritation of skin	Skin Corrosion/Irritation	(Rabbit)
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- **on the eye:**

Causes burns.

Irritating effect.

CAS: 9046-10-0 Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia		
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Irritation of eyes	Serious Eye Damage/Irritation	(Rabbit) (OECD 405)
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CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol		
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Irritation of eyes	Serious Eye Damage/Irritation	
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CAS: 140-31-8 2-piperazin-1-ylethylamine		
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Irritation of eyes	Serious Eye Damage/Irritation	(Rabbit)
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- **Sensitization:**

Sensitization possible through skin contact.

May cause an allergic skin reaction.

Sensitizing effect by skin contact is possible with prolonged exposure.

CAS: 140-31-8 2-piperazin-1-ylethylamine		
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Sensitization	Respiratory or skin sensitization	(Guinea pig)
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- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

CAS: 13463-67-7	titanium dioxide	2B
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 9046-10-0 Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

LC50 (48 h)	418 mg/L (Daphnia)
LC50 (96 h)	772 mg/L (Fish)
EC50 (72 h)	142 mg/L (Algae)

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)

- **Persistence and degradability**

CAS: 9046-10-0 Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

Biodegradability | 0 % (Experimental) (OECD 301B)

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)

- **Behavior in environmental systems:**

- **Bioaccumulative potential**

CAS: 9046-10-0 Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

log Pow | 1.34 (Experimental)

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

- **Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**· **Recommendation:**

Hand over to hazardous waste disposers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**· **Recommendation:**

Disposal must be made according to official regulations.

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· **UN-Number**· **DOT**· **ADR, IMDG, IATA**

Void

UN3259

· **UN proper shipping name**· **DOT**· **ADR**

Void

3259 Amines, solid, corrosive, n.o.s. (3,3'-oxybis(ethyleneoxy)bis(propylamine), N-Aminoethylpiperazine)

· **IMDG, IATA**

AMINES, SOLID, CORROSIVE, N.O.S. (3,3'-oxybis(ethyleneoxy)bis(propylamine), N-AMINOETHYLPIPERAZINE)

· **Transport hazard class(es)**· **DOT**· **Class**· **Label**

Void

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· **ADR**· **Class**· **ADN/R Class:**

8 Corrosive substances

Void

· **IMDG, IATA**· **Class**· **Label**

8 Corrosive substances

8

· **Packing group**· **DOT**· **ADR, IMDG, IATA**

Void

II

· **Environmental hazards:**· **Marine pollutant:**

No

· **Special precautions for user**· **EMS Number:**· **Stowage Category**

Warning: Corrosive substances

F-A,S-B

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· Segregation Code	SG35 Stow "separated from" SGG1-acids
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· 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 3259 AMINES, SOLID, CORROSIVE, N.O.S. (3 , 3 ' - O X Y B I S (E T H Y L E N E O X Y) B I S (P R O P Y L A M I N E) , N - A M I N O E T H Y L P I P E R A Z I N E) , 8 , I I

15 Regulatory information

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

EU Regulation (EC) no.1907/2006 (REACH)

· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**· **Chemicals known to cause cancer:**

CAS: 13463-67-7 | titanium dioxide

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

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· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

CAS: 1332-58-7	Kaolin	A4
CAS: 13463-67-7	titanium dioxide	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 13463-67-7	titanium dioxide
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· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



· **Signal word** Danger

· **Hazard-determining components of labeling:**

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia
 2-Propennitril, polymer with 1,3-butadien, 1-cyano-1-metyl-4-oxi-4-(1-piperazinyl)etylaminobutyl-terminated
 2,4,6-tris(dimethylaminomethyl)phenol
 2-piperazin-1-ylethylamine

· **Hazard statements**

H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H361 Suspected of damaging fertility or the unborn child.

· **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): 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.

· **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 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,

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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.

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

· **Contact:**

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

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Safety Data Sheet acc. to OSHA HCS

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· **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

DOT: US Department of Transportation

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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

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