



Safety Data Sheet acc. to OSHA HCS

Date of issue: 06/30/2025

Version 5

Reviewed on 06/30/2025

* 1 Identification

- **Product identifier**
- **Trade name:** **GC11A**
- **Other means of identification**
- **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 Information
- **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 corrosion 1B H314 Causes severe skin burns and eye damage.
Eye damage 1 H318 Causes serious eye damage.
Sensitization - skin 1 H317 May cause an allergic skin reaction.
Reproductive toxicity 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:**
3,3'-oxybis(ethyleneoxy)bis(propylamine)
2-piperazin-1-ylethylamine
2,4,6-tris(dimethylaminomethyl)phenol
2-Propennitril, polymer with 1,3-butadien, 1-cyano-1-metyl-4-oxi-4-(1-piperazinyl)etylaminobutyl-terminated
- **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 vapors.

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- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

· Dangerous components:

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 irritation 2, H315; Sensitization - skin 1A, H317	5-20%
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol Skin corrosion 1C, H314; Eye damage 1, H318; Acute toxicity - oral 4, H302	3-7%
CAS: 140-31-8	2-piperazin-1-ylethylamine Acute toxicity - dermal 3, H311; Reproductive toxicity 2, H361; Specific target organ toxicity (repeated exposure) 1, H372; Skin corrosion 1B, H314; Acute toxicity - oral 4, H302; Sensitization - skin 1, H317; Flammable liquids 4, H227	<1%
CAS: 13463-67-7	titanium dioxide Carcinogenicity 2, H351	<1%
CAS: 4246-51-9	3,3'-oxybis(ethyleneoxy)bis(propylamine) Skin corrosion 1B, H314; Eye damage 1, H318; Sensitization - skin 1, H317	15-40%

· Non-dangerous components

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

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- **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.
Immediately call a doctor.
- **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

- **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 section 13.
Send for recovery or disposal in suitable receptacles.
- **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

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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
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

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

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.

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.



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* 8 Exposure controls/personal protection

- **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.

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; respirable particulate matter, 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: 0.2* 2.5** mg/m ³ resp. fraction, *nanoscale, **finescale, A3

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

- **Exposure controls**

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

- **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

- **Material of gloves**

Polymere 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.

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· Eye protection:

Tightly sealed goggles

· 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**

· Physical state	Solid
· Color:	Yellowish
· Odor:	Amine-like
· Odor threshold:	Not determined.
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Not applicable. Undetermined.
· Explosion limits:	
· Lower:	Not applicable.
· Upper:	Not applicable.
· Flash point:	≥150 °C (≥302 °F) (Closed cup)
· Decomposition temperature:	Not determined.
· pH-value:	Mixture is non-soluble (in water).
· Viscosity:	
· Kinematic:	Not determined.
· Dynamic:	Not applicable.
· Solubility in / Miscibility with	
· Water:	Slightly soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure:	Not determined.
· Vapor pressure:	
· Density:	Not determined.
· Relative density	1.25-1.35 g/cm ³ (10.43125-11.26575 lbs/gal)
· Vapor density	Not determined.
· Particle characteristics	Not determined.

· Other information

· Appearance:	
· Form:	Pasty
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.

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- **Change in condition**
- **Drip point:**
- **Oxidizing properties** Not applicable.
- **Evaporation rate** Not determined.

* 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.
- **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)

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 that are relevant for classification:**

CAS: 68683-29-4 2-Propennitril, polymer with 1,3-butadien,1-cyano-1-metyl-4-oxi-4-(1-piperaziny) 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	>10.000 mg/kg (Rat)
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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:**on the skin:**

Causes burns.

Caustic effect on skin and mucous membranes.

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)

on the eye:

Causes burns.

Irritating effect.

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)

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		
Sensitization	Respiratory or skin sensitization	(Guinea pig)

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Specific target organ toxicity - single exposure**

Based on available data, the classification criteria are not met.

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.

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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

*** 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)
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))

· 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.

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* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Dispose of waste in an approved waste disposal facility.
- **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	Void
· DOT	UN3259
· ADR/RID/ADN, IMDG, IATA	
· UN proper shipping name	Void
· DOT	3259 Amines, solid, corrosive, n.o.s. (3,3'-oxybis(ethyleneoxy)bis(propylamine), N-Aminoethylpiperazine)
· ADR/RID/ADN	AMINES, SOLID, CORROSIVE, N.O.S. (3,3'-oxybis(ethyleneoxy)bis(propylamine), N-AMINOETHYLPIPERAZINE)
· IMDG, IATA	
· Transport hazard class(es)	
· DOT	
	
· Class	Void
· Label	8
· ADR/RID/ADN	
	
· Class	8 Corrosive substances
· IMDG, IATA	
	
· Class	8 Corrosive substances
· Label	8

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· Packing group · DOT · ADR/RID/ADN, IMDG, IATA	Void II
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR/RID/ADN · 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) · Excepted quantities (EQ)	1 kg Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Special precautions for user · EMS Number: · Stowage Category · Segregation Code	Warning: Corrosive substances F-A,S-B A SG35 Stow "separated from" SGG1-acids
· UN "Model Regulation":	UN 3259 AMINES, SOLID, CORROSIVE, N.O.S. (3,3'-OXYBIS(ETHYLENEOXY)BIS(PROPYLAMINE), N-AMINOETHYLPIPERAZINE), 8, II

***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

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· **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.

· **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

· **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:**

3,3'-oxybis(ethyleneoxy)bis(propylamine)

2-piperazin-1-ylethylamine

2,4,6-tris(dimethylaminomethyl)phenol

2-Propennitril, polymer with 1,3-butadien, 1-cyano-1-metyl-4-oxi-4-(1-piperaziny)etylaminobutyl-terminated

· **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 vapors.

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

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

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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, 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.

Argentina: alfa.consulta@alfalaval.com

Australia: australia.info@alfalaval.com

Austria: info.mideurope@alfalaval.com

Belgium: benelux.info@alfalaval.com

Bolivia: alfa.consulta@alfalaval.com

Brazil: alfalaval.br@alfalaval.com

Bulgaria: bulgaria.info@alfalaval.com

Canada: alfacan.info@alfalaval.com

Chile: chile.informacion@alfalaval.com

China: china.info@alfalaval.com

Colombia: info.colombia@alfalaval.com

Croatia: hrvatska.info@alfalaval.com

Czech Republic: czechrepublic.info@alfalaval.com

Denmark: info.nordic.dk@alfalaval.com

Egypt: alme.marketing@alfalaval.com

Estonia: estonia.info@alfalaval.com

Finland: info.fi@alfalaval.com

France: environnement@alfalaval.com

Germany: info.mideurope@alfalaval.com

Greece: greece.info@alfalaval.com

Hungary: info.hu@alfalaval.com

India: india.info@alfalaval.com

Indonesia: alfalindo@alfalaval.com

Israel: israel.info@alfalaval.com

Italy: alfalaval.italia@alfalaval.com

Japan: hp.alfajp@alfalaval.com

Latvia: latvia.info@alfalaval.com

Lithuania: lithuania.info@alfalaval.com

Malaysia: malaysia.info@alfalaval.com

Mexico: mexico.info@alfalaval.com

The Netherlands: benelux.info@alfalaval.com

New Zealand: newzealand.info@alfalaval.com

Norway: info.no@alfalaval.com

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Safety Data Sheet acc. to OSHA HCS

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Version 5

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Trade name: GC11A

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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

• **Date of previous version** 05/20/2025• **Date of preparation** 06/30/2025• **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
Flammable liquids 4: Flammable liquids – Category 4
Acute toxicity - oral 4: Acute toxicity – Category 4
Acute toxicity - dermal 3: Acute toxicity – Category 3
Skin corrosion 1B: Skin corrosion/irritation – Category 1B
Skin corrosion 1C: Skin corrosion/irritation – Category 1C
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye damage 1: Serious eye damage/eye irritation – Category 1
Sensitization - skin 1: Skin sensitisation – Category 1
Sensitization - skin 1A: Skin sensitisation – Category 1A
Carcinogenicity 2: Carcinogenicity – Category 2
Reproductive toxicity 2: Reproductive toxicity – Category 2
Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1

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