



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

* 1 Identification

· **Other means of identification**

· **Trade name:** **GC11B**

· **Article number:** 3350100004B

· **Relevant identified uses of the substance or mixture and uses advised against** Professional use only.

· **Application of the substance / the mixture** Adhesives

· **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
Australia
Visit: 14 Healey Circuit, - NSW - NSW-2148 Huntingwood
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 2 H315 Causes skin irritation.

Eye damage/irritation – Category 2A H319 Causes serious eye irritation.

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** Warning

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

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane (15-40 %)

(Contd. on page 2)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 1)

bis[4-(2,3-epoxypropoxy)phenyl]propane (10-30 %)
1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane (5-10 %)

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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**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: 60676-86-0	Silica, fused	10-30%
CAS: 14228-73-0	1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane Acute toxicity - oral – Category 4, H302; Skin corrosion/irritation – Category 2, H315; Skin sensitisation – Category 1, H317	5-10%
CAS: 7631-86-9	silicon dioxide, chemically prepared	<3%
CAS: 2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane Eye damage/irritation – Category 1, H318	0.5-1.5%
	Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane Skin corrosion/irritation – Category 2, H315; Skin sensitisation – Category 1A, H317	15-40%
CAS: 1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Skin sensitisation – Category 1, H317	10-30%
CAS: 1333-86-4	Carbon black	<1%
CAS: 128-37-0	2,6-di-tert-butyl-p-cresol	<0.5%

Non-dangerous components

CAS: 67762-90-7 Dimethyl siloxane, reaction product with silicon oxide <3%

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



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 2)

* 4 First Aid Measures

- **General information:** Wash contaminated clothing before reuse.
- **After inhalation:** Supply fresh air; consult doctor if symptoms persist.
- **After skin contact:**
Take off immediately all contaminated clothing.
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.
Get medical advice/attention.
- **After swallowing:**
Rinse the mouth with water.
Consult a doctor if symptoms occur.
- **Most important symptoms and effects, both acute and delayed**
Allergic skin reaction
Irritation on the skin.
Severe eye irritation and may cause 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:
Aldehyde
Hydrogen chloride (HCl)
Carbon monoxide (CO)
Carbon dioxide
- **Protective equipment:** Wear self-contained respiratory protective device.

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:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to section 13.

(Contd. on page 4)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 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****Handling:****Precautions for safe handling**

- Avoid contact with skin and eyes.
- Ensure adequate ventilation
- Do not breathe vapour.
- When using do not eat, drink or smoke.
- Take off all contaminated clothing immediately.
- See Section 8 for information on personal protection equipment.

Storage:

- Requirements to be met by storerooms and receptacles:** Keep container tightly sealed.
- Information about storage in one common storage facility:**
 - Store away from amines
 - Do not store together with acids.
 - Store away from oxidising agents.
- Further information about storage conditions:** Protect from heat and direct sunlight.
- Specific end use(s)**
 - Adhesives
 - Professional use only.

*** 8 Exposure controls and personal protection****Appropriate engineering controls**

- Use only in well-ventilated areas.
- The availability of eye wash bottles or eye wash showers in the workplace is recommended.

Ingredients with limit values that require monitoring at the workplace:**CAS: 60676-86-0 Silica, fused**WES | Long-term value: 0.05 mg/m³**CAS: 7631-86-9 silicon dioxide, chemically prepared**WES | Long-term value: 2 mg/m³**DNELs****CAS: 14228-73-0 1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane**

Dermal | DNEL - Long term, Systemic effects | 1 mg/kg bw/day (Worker)

Inhalative | DNEL - Long term, Systemic effects | 3.52 mg/m³ (Worker)**CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane**

Dermal | DNEL - Acute, Systemic effects | 8.3 mg/kg bw/day (Worker)

Inhalative | DNEL - Long term, Systemic effects | 8.3 mg/kg bw/day (Worker)

Inhalative | DNEL - Acute, Systemic effects | 12.3 mg/m³ (Worker)Inhalative | DNEL - Long term, Systemic effects | 12.3 mg/m³ (Worker)

(Contd. on page 5)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 4)

· PNECs	
CAS: 14228-73-0 1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane	
PNEC	0.003 mg/L (Freshwater) 0.5 mg/L /dw (Freshwater sediment) 0.5 mg/L /dw (Saltwater sediment) 10 mg/L (Water treatment plant)
PNEC	0.0003 mg/L (Saltwater)

· **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.

Combined particles and organic fumetype (Filter A-P)

· **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**

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

If eye contact is likely, safety glasses with side shields are recommended.

· **Body protection:** Working clothes

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

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



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 5)

* 9 Physical and Chemical Properties

· General Information	
· Appearance:	
· Form:	Paste
· Colour:	Black
· Odour:	Characteristic
· 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:	≥ 150 °C
· Flash point:	≥ 100 °C
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Oxidising properties	
· Vapour pressure: Not applicable.	
· Density at 20 °C:	1.3 g/cm ³
· Vapour density Not applicable.	
· Evaporation rate Not applicable.	
· Solubility in / Miscibility with	
· water:	Not determined.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic at 20 °C:	400-800 mPas
· Kinematic:	Not applicable.
· Solvent content:	
· Organic solvents:	<1 %
· 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.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** High temperature
- **Incompatible materials:**
Reacts with strong oxidising agents.

(Contd. on page 7)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 6)

Reacts with amines.

· **Hazardous decomposition products:** None known.

* 11 Toxicological Information

· **Information on toxicological effects**· **Acute toxicity**

ATE (calculated)	>5,000 mg/kg (Dermal)
	>5,000 mg/kg (Oral)

· **LD/LC50 values relevant for classification:****CAS: 14228-73-0 1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane**

Oral	LD50	1,098 mg/kg (Rat)
Dermal	LD50	2,500 mg/kg (rabbit)
Inhalative	LC50 (4 h)	5.19 mg/L (Rat)

CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane

Oral	LD50	7,010 mg/kg (Rat)
Dermal	LD50	4,000 mg/kg (rabbit)
Inhalative	LC50 (4 h)	>5.3 mg/L (Rat)

CAS: 128-37-0 2,6-di-tert-butyl-p-cresol

Oral	LD50	>2,930 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)

· **Primary irritant effect:**· **Skin corrosion/irritation**

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye irritation.

CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane

Irritation of eyes	Serious Eye Damage/Irritation	(rabbit) (Corrosive)
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· **Respiratory or skin sensitisation**

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane

Sensitisation	Respiratory or skin sensitization	/Sensitising skin
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CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

Sensitisation	Respiratory or skin sensitization	/Sensitising skin
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· **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.

(Contd. on page 8)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 7)

- **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.

* 12 Ecological Information

· Toxicity

· Aquatic toxicity:

CAS: 14228-73-0 1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane

LC50 (96 h)	10.1 mg/L (fish)
EC50 (48 h)	16.3 mg/L (Daphnia)
EC50 (72 h)	26.7 mg/L (algae)
NOEC - No observed effect concentration	11.7 mg/l (Daphnia)

CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane

EC50	350 mg/L (algae) (96h) 473 mg/L (Daphnia) (48h)
NOEC - No observed effect concentration	130 mg/l (algae) (21d)

CAS: 128-37-0 2,6-di-tert-butyl-p-cresol

LC50 (96 h)	>100 mg/L (fish)
EC50 (48 h)	0.48 mg/L (Daphnia)
EC50 (72 h)	>0.4 mg/L (algae)
NOEC - No observed effect concentration	0.4 mg/l (algae) 0.023 mg/l (Daphnia) 0.053 mg/l (fish)

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane

LC50 (96 h)	0.55 mg/L (fish)
EC50 (48 h)	1.6 mg/L (Daphnia)
EC50 (72 h)	>1.8 mg/L (algae)
IC50, Activated sludge	>100 mg/L /3 h (Analogue product)
Acute aquatic toxicity (M-factor)	1 M-factor
Chronic aquatic toxicity (M-factor)	1 M-factor
NOEC - No observed effect concentration	0.3 mg/l /21 days (Daphnia) (Analogue product)

CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

LC50 (96 h)	2 mg/L (fish)
EC50 (48 h)	1.8 mg/L (Daphnia)
IC50, Activated sludge	>100 mg/L (Water treatment plant)
NOEC - No observed effect concentration	4.2 mg/l /72 h (algae)

· Persistence and degradability

CAS: 14228-73-0 1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane

Biodegradability	16.6 % (Calculated) (OECD 301F)
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(Contd. on page 9)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 8)

CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane
Biodegradability 5 % /BOD/COD (OECD 301F Manometric respiro)
CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane
Biodegradability 37 % /removal of D (EC C.4.A DOC Die-Away Test)
Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane
Biodegradability 0 % /BOD/ThOD (EC C.4.E Closed bottle test)

· Behaviour in environmental systems:**· Bioaccumulative potential**

CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane
Bioconcentration factor 31 (Calculated)
CAS: 14228-73-0 1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane
Bioaccumulation factor 3 (Calculated)
CAS: 128-37-0 2,6-di-tert-butyl-p-cresol
Bioaccumulation factor 1,277 (fish) (OECD 305E)
Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane
Bioaccumulation factor 3.6 /log Kow (OECD 117 log Kow HPLC method)
CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane
Bioconcentration factor 0.5 /log Kow (Episuite (TM))

· Mobility in soil

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane
Mobility in soil 4,460 - /l/kg (OECD 121 estimate log Koc via HPLC)
CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane
Mobility in soil 450 - /l/kg (Episuite (TM) modelled)
CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane
Mobility in soil 10 - /l/kg (Episuite (TM))
CAS: 14228-73-0 1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane
Mobility in soil 57 - /l/kg (Episuite (TM) Koc)

· Additional ecological information:**· General notes:** Toxic for aquatic organisms**· 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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(Contd. on page 10)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025




Trade name: GC11B

(Contd. of page 9)

* 13 Disposal considerations

- **Uncleaned packaging:**
- **Recommendation:**
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	UN3077
· UN proper shipping name · ADG · IMDG · IATA	Not regulated UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (phenol, polymer with formaldehyde, glycidyl ether, reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))
· Transport hazard class(es) · ADG 	
· Class · Label	9 Miscellaneous dangerous substances and articles. 9
· IMDG 	
· Class	9 Miscellaneous dangerous substances and articles.
· IATA 	
· Class · Label	9 Miscellaneous dangerous substances and articles. 9
· Packing group · ADG, IMDG, IATA	III
· Environmental hazards: · Marine pollutant:	Environmentally hazardous substance, solid Yes

(Contd. on page 11)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 10)

· Special marking (IATA):	Symbol (fish and tree)
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
· Hazard identification number (Kemler code):	90
· Stowage Category	A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· Transport category	3
· UN "Model Regulation":	Not regulated

* 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** Warning

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

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane (15-40 %)

bis[4-(2,3-epoxypropoxy)phenyl]propane (10-30 %)

1,4-Bis[(2,3-epoxypropoxy)methyl]cyclohexane (5-10 %)

· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

(Contd. on page 12)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 11)

· Precautionary statements

- P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.
- **Seveso category** E2 Hazardous to the Aquatic Environment
- **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, 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.

www.alfalaval.com

· Relevant phrases

- H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

· 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

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(Contd. on page 13)



Safety Data Sheet according to WHS Regulations

Date of issue: 26.06.2025

Version number 2

Revision: 26.06.2025

Trade name: GC11B

(Contd. of page 12)

Czech Republic: czechrepublic.info@alfalaval.com
Denmark: info.nordic.dk@alfalaval.com
Egypt: alme.marketing@alfalaval.com
Estonia: estonia.info@alfalaval.com
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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
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)

(Contd. on page 14)



Safety Data Sheet according to WHS Regulations

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(Contd. of page 13)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute toxicity - oral – Category 4: Acute toxicity – Category 4

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

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

Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Skin sensitisation – Category 1: Skin sensitisation – Category 1

Skin sensitisation – Category 1A: Skin sensitisation – Category 1A

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