

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.02.2023

Version number 5 (replaces version 4)

Revision: 21.02.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** GC6C
- **Article number:** 3222030556
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Adhesive
- **1.3 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
- **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
- **1.4 Emergency telephone number:**
For immediate, life-threatening emergencies, call 999. For health advice and information (24h) dial 111 (NHS direct).

In Europe: Call 112 and ask for poison information.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Skin Corr. 1B	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.
Muta. 2	H341	Suspected of causing genetic defects.
Carc. 1B	H350	May cause cancer.
Repr. 2	H361d	Suspected of damaging the unborn child.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



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· **Signal word** Danger

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

toluene
phenol
formaldehyde

· **Hazard statements**

H225 Highly flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
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 [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

· **Additional information:**

Restricted to professional users.

· **2.3 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.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 9003-35-4	formaldehyde, oligomeric reaction products with phenol Skin Sens. 1, H317	30-<50%
CAS: 64-17-5 EINECS: 200-578-6	ethanol Flam. Liq. 2, H225	20-<30%

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CAS: 108-88-3 EINECS: 203-625-9	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 3, H412	10-<20%
CAS: 108-95-2 EINECS: 203-632-7	phenol Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Muta. 2, H341; STOT RE 2, H373; Skin Corr. 1B, H314; Aquatic Chronic 2, H411 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 3 % Skin Irrit. 2; H315: 1 % ≤ C < 3 % Eye Irrit. 2; H319: 1 % ≤ C < 3 %	3-<5%
CAS: 67-56-1 EINECS: 200-659-6 Reg.nr.: 01-2119433307-44	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 %	1-<3%
CAS: 50-00-0 EINECS: 200-001-8	formaldehyde Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Muta. 2, H341; Carc. 1B, H350; Skin Corr. 1B, H314; Skin Sens. 1, H317 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 5 % ≤ C < 25 % Eye Irrit. 2; H319: 5 % ≤ C < 25 % Skin Sens. 1; H317: C ≥ 0.2 % STOT SE 3; H335: C ≥ 5 %	0.2-<1%

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

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **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.

Get medical advice/attention.

· **After swallowing:**

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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- Contact a doctor/physician.
- **4.2 Most important symptoms and effects, both acute and delayed**
Causes severe skin burns and eye damage.
- **4.3 Indication of any immediate medical attention and special treatment needed**
Treat symptomatically.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Carbon dioxide
Sand
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources.
Ensure adequate ventilation
Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Do not breathe vapour.
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Send for recovery or disposal in suitable receptacles.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 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.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Eye wash bottle or emergency eye wash fountain must be found in the work place.

See Section 8 for information on personal protection equipment.

Keep ignition sources away - Do not smoke.

Keep away from heat and direct sunlight.

Do not breathe vapour.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

When using do not eat, drink or smoke.

Use non-sparking tools.

Information about fire - and explosion protection:

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Highly flammable.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a well-ventilated place.

Keep container tightly closed.

Store in a cool location.

Information about storage in one common storage facility: See section 10 in the SDS

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) Professional use only.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 64-17-5 ethanol

WEL	Long-term value: 1920 mg/m ³ , 1000 ppm
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CAS: 108-88-3 toluene

WEL	Short-term value: 384 mg/m ³ , 100 ppm
	Long-term value: 191 mg/m ³ , 50 ppm
	Sk

CAS: 108-95-2 phenol

WEL	Short-term value: 16 mg/m ³ , 4 ppm
	Long-term value: 7.8 mg/m ³ , 2 ppm
	Sk

CAS: 67-56-1 methanol

WEL	Short-term value: 333 mg/m ³ , 250 ppm
	Long-term value: 266 mg/m ³ , 200 ppm
	Sk

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CAS: 50-00-0 formaldehyde

WEL	Short-term value: 2.5 mg/m ³ , 2 ppm Long-term value: 2.5 mg/m ³ , 2 ppm Carc
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DNELs**CAS: 108-88-3 toluene**

Oral	DNEL - Long term, Systemic effects	8.13 mg/kg bw/day (Consumer)
Dermal	DNEL - Long term, Systemic effects	384 mg/kg bw/day (Worker)
Inhalative	DNEL - Long term, Systemic effects	192 mg/m ³ (Worker)

CAS: 108-95-2 phenol

Oral	DNEL - Long term, Systemic effects	0.4 mg/kg bw/day (Consumer)
Dermal	DNEL - Long term, Systemic effects	1.23 mg/kg bw/day (Worker)
Inhalative	DNEL - Long term, Systemic effects	8 mg/m ³ (Worker)

CAS: 67-56-1 methanol

Oral	DNEL - Long term, Systemic effects	8 mg/kg bw/day (Consumer)
Dermal	DNEL - Long term, Systemic effects	40 mg/kg bw/day (Worker)
Inhalative	DNEL - Long term, Systemic effects	260 mg/m ³ (Worker)

PNECs**CAS: 108-88-3 toluene**

PNEC	0.68 mg/L (Freshwater) mg/L
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CAS: 108-95-2 phenol

PNEC	0.0077 mg/L (Freshwater) mg/L
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CAS: 67-56-1 methanol

PNEC	154 mg/L (Freshwater) mg/L
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· **Additional information:** The lists valid during the making were used as basis.

8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
 - Eye wash bottle or emergency eye wash fountain must be found in the work place
 - Use only in well-ventilated areas.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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· **Hand protection**



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

Nitrile rubber, NBR

Ethyl Vinyl Alcohol Lamine (EVAL)

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**

EVAL: >8h

NBR: 10 -480 min

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

· **Environmental exposure controls** Do not allow to enter sewers/ surface or ground water.

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Brown

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

>125 °C

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

>1 °C (ISO 2719, CLOSED CUP)

· **Decomposition temperature:**

>200 C

· **pH**

Not determined.

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<ul style="list-style-type: none"> · Viscosity: · Kinematic viscosity · Dynamic: 	<p>Not determined. 1500 -3000 mPa s (25 C) Not determined.</p>
<ul style="list-style-type: none"> · Solubility · water: · Partition coefficient n-octanol/water (log value) · Vapour pressure: · Density and/or relative density · Density at 20 °C: · Relative density · Vapour density 	<p>Not miscible or difficult to mix. Not determined. Not determined. 1 g/cm³ Not determined. Not determined.</p>
<ul style="list-style-type: none"> · 9.2 Other information · Appearance: · Form: · Auto-ignition temperature: · Explosive properties: · Solvent content: · Organic solvents: · Change in condition · Drip point: · Oxidising properties · Evaporation rate 	<p>Fluid Product is not selfigniting. Product is not explosive. However, formation of explosive air/vapour mixtures are possible. 34.3-<58 % Not applicable. Not determined.</p>
<ul style="list-style-type: none"> · Information with regard to physical hazard classes · Explosives · Flammable gases · Aerosols · Oxidising gases · Gases under pressure · Flammable liquids · Flammable solids · Self-reactive substances and mixtures · Pyrophoric liquids · Pyrophoric solids · Self-heating substances and mixtures · Substances and mixtures, which emit flammable gases in contact with water · Oxidising liquids · Oxidising solids · Organic peroxides · Corrosive to metals · Desensitised explosives 	<p>Void Void Void Void Void Highly flammable liquid and vapour. Void Void Void Void Void Void Void Void Void Void Void Void</p>

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
The material is stable under recommended storage and handling conditions.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Forms explosive gas mixture with air.
No further data; see item 7.
- **10.4 Conditions to avoid** High temperature
- **10.5 Incompatible materials:**
Do not store together with alkalis (caustic solutions).
Reacts with strong oxidising agents.
- **10.6 Hazardous decomposition products:**
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Poisonous gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- **Acute toxicity**

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

CAS: 108-95-2 phenol

Dermal	LDLo	630 mg/kg (Rabbit) (LD50)
Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009.		

- **LD/LC50 values relevant for classification:**

CAS: 64-17-5 ethanol

Oral	LD50	7,060 mg/kg (Rat)
Inhalative	LC50 (4 h)	20,000 mg/L (Rat)

CAS: 108-88-3 toluene

Oral	LD50	5,000 mg/kg (Rat)
Dermal	LD50	12,124 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	5,320 mg/L (Mouse)

CAS: 108-95-2 phenol

Oral	LD50	317 mg/kg (Rat)
Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009.		
Dermal	LD50	850 mg/kg (Rabbit)

CAS: 67-56-1 methanol

Oral	LD50	5,628 mg/kg (Rat)
Dermal	LD50	15,800 mg/kg (Rabbit)

CAS: 50-00-0 formaldehyde

Oral	LD50	>200 mg/kg (Rat)
Dermal	LD50	270 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	470 mg/L (Rat)

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- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.

CAS: 67-56-1 methanol

Irritation of skin | Skin Corrosion/Irritation | (Rabbit)

- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Germ cell mutagenicity** Suspected of causing genetic defects.
- **Carcinogenicity** May cause cancer.
- **Reproductive toxicity** Suspected of damaging the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Muta. 2, Carc. 1B, Repr. 2
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**
Endocrine disrupting properties from <https://edlists.org>

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS: 108-88-3 toluene

LC50 (48 h)	5.5 mg/L (Fish) Test type: Flow-through test Test substance: Fresh water Exposure time: 96h
NOEC - No observed effect concentration	0.74 mg/l (Daphnia) Exposure time: 7 d Test substance: fresh water Test method: EPA OTS 797.1330

CAS: 108-95-2 phenol

LC50 (48 h)	8.9 mg/L (Trout) Test type: Flow-through test Test substance: Fresh water
EC50 (48 h) (static)	0.00175-67.5 mg/L (Fish) (96 h.) 3.1 mg/L (Daphnia) Exposure time: 48h Method: EPA OTS 797.1300 Test substance: Fresh water
NOEC - No observed effect concentration	0.077 mg/l Exposure time: 60 d Species: Other Test Type: semi-static test Test substance: Fresh water

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CAS: 67-56-1 methanol

EC50 (static)	>10,000 mg/L (Daphnia) Method: DIN 38412, exp time: 48 h, fresh water
---------------	--------------------------------------------------------------------------

CAS: 50-00-0 formaldehyde

LC50 (48 h) (static)	6.7 mg/L
EC50 (static)	5.8 mg/L (Daphnia) Test substance: fresh water Method: OECD Test Guideline 202

12.2 Persistence and degradability**CAS: 108-88-3 toluene**

Biodegradability | 81 %

CAS: 108-95-2 phenol

Biodegradability	62 % Inoculum: Active sludge Concentration: 30 mg/L Result: Readily biodegradable. Exposure time: 4,16667 d Method: OECD Test Guideline 301C
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CAS: 67-56-1 methanol

Biodegradability | 69-97 %

CAS: 50-00-0 formaldehyde

Biodegradability | 100 %

12.3 Bioaccumulative potential**CAS: 67-56-1 methanol**

Bioconcentration factor	<10 (Fish) Bioconcentration factor (BCF) < 10 Test substance: Fresh water Exposure time: 3 d; Species Fish, Leuciscus idus (Golden orfe)
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- 12.4 Mobility in soil No further relevant information available.

12.5 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.

12.6 Endocrine disrupting properties

- The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Recommendation**

Hand over to hazardous waste disposers.

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

yes European waste catalogue

EWC waste codes are not product-related but origin-related. Therefore, the manufacturer cannot specify a waste code for products used in different industries. The codes that may be given should be considered as a recommendation for the user.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, IMDG, IATA 	UN1866
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA 	1866 RESIN SOLUTION RESIN SOLUTION
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids. 3
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	II
<ul style="list-style-type: none"> · 14.5 Environmental hazards: 	Not applicable.
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category 	Warning: Flammable liquids. 33 F-E, <u>S-E</u> B
<ul style="list-style-type: none"> · 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) 	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> · Transport category · Tunnel restriction code 	2 D/E
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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· UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, II
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SECTION 15: Regulatory information

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

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

· **Directive 2012/18/EU**

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

· **Seveso category** P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 28, 48, 69, 72

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

CAS: 108-88-3 toluene	3
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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

CAS: 108-88-3 toluene	3
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· **National regulations:**

· **Additional classification according to Decree on Hazardous Materials, Annex II:**

Carcinogenic hazardous material group III (dangerous).

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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

SECTION 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

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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

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- 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.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
- H361d Suspected of damaging the unborn child.
- H370 Causes damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

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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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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 (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
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
Muta. 2: Germ cell mutagenicity – Category 2
Carc. 1B: Carcinogenicity – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

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Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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