



# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

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

### 1.1 Product identifier

**Product identifier** : 825R  
**Product name** : CHROMATE FREE WASH PRIMER-SURFACER  
**Product type** : Liquid.  
**Other means of identification** : 1250063851; 1250063852  
**Date of issue/ Date of revision** : 8 May 2025  
**Version** : 1.52  
**Date of previous issue** : 6 May 2025

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : Coating component.  
**Uses advised against** : Not for sale to or use by consumers.

### 1.3 Details of the supplier of the safety data sheet

Axalta Coating Systems Germany GmbH & Co. KG  
Christbusch 25  
DE 42285 Wuppertal  
+49 (0)202 529-0

**e-mail address of person responsible for this SDS** : sds-competence@axalta.com

Axalta Coating Systems UK Ltd.  
Unit 1, Quadrant Park, Mundells  
GB Welwyn Garden City, Hertfordshire, AL7 1FS  
+44 (0)1707 518 000

### 1.4 Emergency telephone number

#### Supplier

**Telephone number** : +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to UK CLP/GHS

Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Eye Dam. 1, H318  
Skin Sens. 1, H317  
STOT SE 3, H336

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**SECTION 2: Hazards identification****2.2 Label elements****Hazard pictograms****Signal word**

: Danger

**Contains**: propan-1-ol  
2-methylpropan-1-ol  
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin**Hazard statements**: H226 - Flammable liquid and vapour.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.**Precautionary statements****Prevention**: P280 - Wear protective gloves. Wear eye or face protection.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing vapour.  
P264 - Wash hands thoroughly after handling.**Response**: P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor.**Storage**

: Not applicable.

**Disposal**

: Not applicable.

**Supplemental label elements**

: Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

: Not applicable.

**2.3 Other hazards****Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII**

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification**

: None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

: Mixture

Product/ingredient name	Identifiers	%	Classification	Type
propan-1-ol	REACH #: 01-2119486761-29 EC: 200-746-9 CAS: 71-23-8	≥25 - ≤50	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336	[1] [2]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1	≥10 - ≤18	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
reaction product: bisphenol-A-	EC: 500-033-5	≤5	Skin Irrit. 2, H315	[1]

**SECTION 3: Composition/information on ingredients**

(epichlorhydrin); epoxy resin	CAS: 25068-38-6		Eye Irrit. 2, H319 Skin Sens. 1, H317 Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2	≤3		
Reaction mass of ethylbenzene and xylene	REACH #: 01-2119539452-40 EC: 905-588-0	≤1.6	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a physical, health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## SECTION 4: First aid measures

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness

**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur

**Ingestion** : Adverse symptoms may include the following:  
stomach pains

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.

**Unsuitable extinguishing media** : Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**Hazardous combustion products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

**Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 6.2 Environmental precautions** : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8).

Never use pressure to empty. Container is not a pressure vessel.

Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or watercourses.

**Information on fire and explosion protection**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

**Notes on joint storage**

Keep away from: oxidising agents, strong alkalis, strong acids.

**Additional information on storage conditions**

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Seveso Directive - Reporting thresholds

Danger criteria		
Category	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonnes	50000 tonnes

**SECTION 7: Handling and storage****7.3 Specific end use(s)****Recommendations** : Not available.**Industrial sector specific solutions** : Not available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

propan-1-ol

**EH40/2005 WELs (United Kingdom (UK), 1/2020)** Absorbed through skin.STEL 15 minutes: 625 mg/m<sup>3</sup>.

STEL 15 minutes: 250 ppm.

TWA 8 hours: 500 mg/m<sup>3</sup>.

TWA 8 hours: 200 ppm.

2-methylpropan-1-ol

**EH40/2005 WELs (United Kingdom (UK), 1/2020)**STEL 15 minutes: 231 mg/m<sup>3</sup>.

STEL 15 minutes: 75 ppm.

TWA 8 hours: 154 mg/m<sup>3</sup>.

TWA 8 hours: 50 ppm.

1-methoxypropan-2-ol

**EH40/2005 WELs (United Kingdom (UK), 1/2020)** Absorbed through skin.STEL 15 minutes: 560 mg/m<sup>3</sup>.

STEL 15 minutes: 150 ppm.

TWA 8 hours: 375 mg/m<sup>3</sup>.

TWA 8 hours: 100 ppm.

**Biological exposure indices**

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs****Product/ingredient name**

propan-1-ol

**Result****DNEL - Workers - Short term - Inhalation**1037 mg/m<sup>3</sup>Effects: Systemic

2-methylpropan-1-ol

**DNEL - Workers - Long term - Inhalation**310 mg/m<sup>3</sup>Effects: Local**DNEL - General population - Long term - Inhalation**55 mg/m<sup>3</sup>Effects: Local

1-methoxypropan-2-ol

**DNEL - General population - Long term - Oral**

33 mg/kg bw/day

Effects: Systemic**DNEL - General population - Long term - Inhalation**43.9 mg/m<sup>3</sup>Effects: Systemic**DNEL - General population - Long term - Dermal**

CHROMATE FREE WASH PRIMER-SURFACER

SECTION 8: Exposure controls/personal protection

	78 mg/kg bw/day <u>Effects</u> : Systemic
	<b>DNEL - Workers - Long term - Dermal</b> 183 mg/kg bw/day <u>Effects</u> : Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 369 mg/m³ <u>Effects</u> : Systemic
	<b>DNEL - Workers - Short term - Inhalation</b> 553.5 mg/m³ <u>Effects</u> : Local
	<b>DNEL - Workers - Short term - Inhalation</b> 553.5 mg/m³ <u>Effects</u> : Systemic
Reaction mass of ethylbenzene and xylene	<b>DNEL - Workers - Long term - Dermal</b> 212 mg/kg bw/day <u>Effects</u> : Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 221 mg/m³ <u>Effects</u> : Systemic

PNECs

Product/ingredient name	Result
propan-1-ol	<b>Marine water</b> 0.683 mg/l
	<b>Sediment</b> 27.5 mg/kg
	<b>Soil</b> 1.49 mg/kg
	<b>Sewage Treatment Plant</b> 96 mg/l
	<b>Fresh water</b> 6.83 mg/l
	<b>Marine water sediment</b> 2.75 mg/kg
2-methylpropan-1-ol	<b>Marine water</b> 0.04 mg/l
	<b>Fresh water</b> 0.4 mg/l
	<b>Fresh water sediment</b> 1.56 mg/l
	<b>Marine water sediment</b> 0.156 mg/kg
	<b>Soil</b> 0.076 mg/kg
	<b>Sewage Treatment Plant</b> 10 mg/l

**SECTION 8: Exposure controls/personal protection**

1-methoxypropan-2-ol

**Marine water**

1 mg/l

**Fresh water**

10 mg/l

**Fresh water sediment**

52.3 mg/kg

**Marine water sediment**

5.2 mg/kg

**Sewage Treatment Plant**

100 mg/l

**Soil**

4.59 mg/kg

Reaction mass of ethylbenzene and xylene

**Fresh water**

0.327 mg/l

**Marine water**

0.327 mg/l

**Sewage Treatment Plant**

6.58 mg/l

**Fresh water sediment**

12.46 mg/kg dwt

**Marine water sediment**

12.46 mg/kg dwt

**Soil**

2.31 mg/kg

**8.2 Exposure controls**

**Appropriate engineering controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.

**Skin protection****Hand protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.



**SECTION 8: Exposure controls/personal protection**

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

**Gloves** : Duration / breakthrough time: <1 hour,  
 Glove material: NBR, nitrile rubber, material thickness as splash protection: at least 0.2 mm, (EN374)  
 Glove material: NBR, nitrile rubber Material thickness for short-term contact: at least 0.5 mm, (EN374)  
 The recommendation for the type or types of glove to use when handling this product is based on information from the following source:  
 Expert judgment  
 The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

**Body protection** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

**Environmental exposure controls** : Do not allow to enter drains or watercourses.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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

**Physical state** : Liquid.  
**Colour** : Grey.  
**Odour** : Not available.  
**Odour threshold** : Not available.  
**Melting point/freezing point** : Technically not possible to measure  
**Initial boiling point and boiling range** : 97 to 138°C (206.6 to 280.4°F)  
**Flammability (solid, gas)** : Not available.  
**Upper/lower flammability or explosive limits** : Lower: 1.1%  
 Upper: 13.7%  
 Not available.  
  
**Flash point** : Closed cup: 24°C (75.2°F)  
**Auto-ignition temperature** : 270°C (518°F)  
**Decomposition temperature** : Not applicable.  
**pH** : Not applicable.  
**Viscosity** : Dynamic (room temperature): 287 mPa·s  
 Kinematic (room temperature): 269 mm²/s  
 Kinematic (40°C): Not available.  
  
**Solubility(ies)** :

**SECTION 9: Physical and chemical properties**

Media	Result
cold water	Soluble

**Solubility in water** : Not available.**Miscible with water** : Yes.**Partition coefficient: n-octanol/ water** : Not applicable.**Vapour pressure** : 1.4 kPa (10.73 mm Hg)**Relative density** : Not available.**Density** : 1.067 g/cm<sup>3</sup>**Vapour density** : Not available.**Explosive properties** : Not available.**Oxidising properties** : Not available.**Weight volatiles** : 61.3 % (w/w)**VOC content** : 60.7 % (w/w) (2010/75/EU)**9.2 Other information****9.2.1 Information with regard to physical hazard classes**

Further information Not available.

**9.2.2 Other safety characteristics****Miscible with water** : Yes.

Further information Not available.

*room temperature (=20°C)***SECTION 10: Stability and reactivity****10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.**10.2 Chemical stability** : Stable under recommended storage and handling conditions (see Section 7).**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.**10.4 Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products.**10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.**10.6 Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product/ingredient name**

propan-1-ol

**Result****Rabbit - Dermal - LD50**

5040 mg/kg

**Rat - Oral - LD50**

2200 mg/kg

Toxic effects: Behavioral - General anesthetic

2-methylpropan-1-ol

**Rat - Oral - LD50**

2460 mg/kg

**Rabbit - Dermal - LD50**

3400 mg/kg

1-methoxypropan-2-ol

**Rabbit - Dermal - LD50**

13 g/kg

**Rat - Oral - LD50**

6600 mg/kg

Toxic effects: Brain and Coverings - Other degenerative changes Behavioral - General anesthetic Lung, Thorax, or Respiration - Dyspnea

Reaction mass of ethylbenzene and xylene

**Rat - Oral - LD50**

3523 to 4000 mg/kg

**Rabbit - Dermal - LD50**

121236 mg/kg

**Rat - Inhalation - LC50 Vapour**

6350 to 6700 ppm [4 hours]

**Conclusion/Summary [Product]** : Not available.**Acute toxicity estimates**

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
mixture	N/A	69841.3	N/A	698.4	N/A
propan-1-ol	2200	5040	N/A	N/A	N/A
2-methylpropan-1-ol	2460	3400	N/A	N/A	N/A
1-methoxypropan-2-ol	6600	13000	N/A	N/A	N/A
Reaction mass of ethylbenzene and xylene	N/A	1100	N/A	11	N/A

**Skin corrosion/irritation****Product/ingredient name**

propan-1-ol

**Result****Human - Skin - Mild irritant**Duration of treatment/exposure: 47 hoursAmount/concentration applied: 100 %**Human - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 100 %**Rabbit - Skin - Mild irritant**Amount/concentration applied: 500 mg

SECTION 11: Toxicological information

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	<b>Rabbit - Skin - Moderate irritant</b> <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 uL
	<b>Rabbit - Skin - Severe irritant</b> <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 2 mg
1-methoxypropan-2-ol	<b>Rabbit - Skin - Mild irritant</b> <u>Amount/concentration applied:</u> 500 mg

**Conclusion/Summary [Product]** : Not available.

**Serious eye damage/eye irritation**

Product/ingredient name	Result
propan-1-ol	<b>Rabbit - Eyes - Moderate irritant</b> <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 20 mg
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	<b>Rabbit - Eyes - Mild irritant</b> <u>Amount/concentration applied:</u> 100 mg

**Conclusion/Summary [Product]** : Not available.

**Respiratory corrosion/irritation**

Not available.

**Conclusion/Summary [Product]** : Not available.

**Respiratory or skin sensitization**

Not available.

**Skin**

**Conclusion/Summary [Product]** : Not available.

**Respiratory**

**Conclusion/Summary [Product]** : Not available.

**Germ cell mutagenicity**

Not available.

**Conclusion/Summary [Product]** : Not available.

**Carcinogenicity**

Not available.

**Conclusion/Summary [Product]** : Not available.

**Reproductive toxicity**

Not available.

**SECTION 11: Toxicological information****Conclusion/Summary [Product]** : Not available.**Specific target organ toxicity (single exposure)**

Product/ingredient name	Result
propan-1-ol	STOT SE 3, H336 (Narcotic effects)
2-methylpropan-1-ol	STOT SE 3, H335 (Respiratory tract irritation)
	STOT SE 3, H336 (Narcotic effects)
1-methoxypropan-2-ol	STOT SE 3, H336 (Narcotic effects)
Reaction mass of ethylbenzene and xylene	STOT SE 3, H335 (Respiratory tract irritation)

**Specific target organ toxicity (repeated exposure)**

Product/ingredient name	Result
Reaction mass of ethylbenzene and xylene	STOT RE 2, H373

**Aspiration hazard**

Product/ingredient name	Result
Reaction mass of ethylbenzene and xylene	ASPIRATION HAZARD - Category 1

**Information on likely routes of exposure**

Not available.

**Potential acute health effects**

<b>Eye contact</b>	: Causes serious eye damage.
<b>Inhalation</b>	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
<b>Skin contact</b>	: Causes skin irritation. May cause an allergic skin reaction.
<b>Ingestion</b>	: Can cause central nervous system (CNS) depression.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Eye contact</b>	: Adverse symptoms may include the following: pain watering redness
<b>Inhalation</b>	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
<b>Skin contact</b>	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Ingestion</b>	: Adverse symptoms may include the following: stomach pains

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Short term exposure****Potential immediate effects** : Not available.**Potential delayed effects** : Not available.**Long term exposure****Potential immediate effects** : Not available.**Potential delayed effects** : Not available.**Potential chronic health effects**

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SECTION 11: Toxicological information

Not available.

Conclusion/Summary [Product] : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

propan-1-ol

Result

Acute - LC50 - Marine water

Fish - Bleak - *Alburnus alburnus*

Size: 8 to 10 cm

3800 mg/l [96 hours]

Effect: Mortality

Acute - LC50 - Fresh water

Crustaceans - Scud - *Gammarus pulex*

1000 mg/l [48 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Algae - Green algae - *Selenastrum sp.*

4480 mg/l [96 hours]

Effect: Population

2-methylpropan-1-ol

Acute - LC50 - Fresh water

Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss*

Weight: 1.67 g

1330 mg/l [96 hours]

Effect: Mortality

Acute - LC50 - Marine water

Crustaceans - Brine shrimp - *Artemia salina*

600 mg/l [48 hours]

Effect: Mortality

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

4 mg/l [21 days]

Effect: Reproduction

1-methoxypropan-2-ol

Acute - LC50

OECD 203

Fish - Trout

≥1000 mg/l [96 hours]

Acute - LC50

OECD 202

Daphnia - Daphnia

>21100 mg/l [48 hours]

Reaction mass of ethylbenzene and xylene

Acute - LC50

OECD 203

Fish - Trout - *Oncorhynchus mykiss*

**SECTION 12: Ecological information**

2.6 mg/l [96 hours]

**Acute - LC50**

OECD 202

Daphnia - Daphnia - *Daphnia magna*

1 mg/l [24 hours]

**Acute - EC50**

OECD 201

Algae - Algae - *Selenastrum capricornutum*

2.2 mg/l [73 hours]

**Chronic - NOEC**

OECD 301F

Micro-organism - Activated sludge - *Activated sludge*

16 mg/l [28 days]

**Conclusion/Summary [Product]** : Not available.**12.2 Persistence and degradability****Product/ingredient name****Result**

1-methoxypropan-2-ol

OECD 301E

96% [28 days]

**Conclusion/Summary [Product]** : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
1-methoxypropan-2-ol	-	-	Readily

**12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
propan-1-ol	0.2	-	Low
2-methylpropan-1-ol	1	-	Low
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	2.64 to 3.78	31	Low
1-methoxypropan-2-ol	<1	-	Low
Reaction mass of ethylbenzene and xylene	3.16	-	Low

**12.4 Mobility in soil****Soil/water partition coefficient** : Not available.**Mobility** : Not available.**12.5 Results of PBT and vPvB assessment**

**SECTION 12: Ecological information**

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
propan-1-ol	No	No	No	No	No	No	No
2-methylpropan-1-ol	No	No	No	No	No	No	No
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane	No	No	No	No	No	No	No
1-methoxypropan-2-ol	No	No	No	No	No	No	No
Reaction mass of ethylbenzene and xylene	No	No	No	Yes	No	No	No

**12.6 Other adverse effects** : No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods****Product**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Yes.

**Waste catalogue**

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	Waste catalogue
	15 01 10* packaging containing residues of or contaminated by hazardous substances





**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number</b>	UN1263	UN1263	UN1263	UN1263
<b>14.2 UN proper shipping name</b>	PAINT	PAINT	PAINT	PAINT



**SECTION 14: Transport information**

<b>14.3 Transport hazard class(es)</b>	3 	3 	3 	3 
<b>14.4 Packing group</b>	III	III	III	III
<b>14.5 Environmental hazards</b>	No.	No.	No.	No.

**Additional information**ADR/RID : **Tunnel code** (D/E)

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK (GB)/REACH****Annex XIV - List of substances subject to authorisation****Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** Not applicable.

**Seveso Directive**

This product is controlled under the Seveso Directive.

**Danger criteria****Category**

P5c

**National regulations**

Product/ingredient name	List name	Name on list	Classification	Notes

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

**SECTION 15: Regulatory information**

Not listed.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

**SECTION 16: Other information**

✔ Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** :

- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB CLP-specific Hazard statement
- IATA = International Air Transport Association
- IMDG = International Maritime Dangerous Goods
- IMO = International Maritime Organization
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification**

Classification	Justification
Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H336	On basis of test data Calculation method Calculation method Calculation method Calculation method

**Full text of abbreviated H statements**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

**Full text of classifications**

**SECTION 16: Other information**

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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**Notice to reader**

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