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## SAFETY DATA SHEET

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

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

#### 1.1 Product identifier

**Product identifier** : WELDC/AL  
**Product name** : WELD #2 WELD-THROUGH COPPER RICH PRIMER AEROSOL  
**Product type** : Aerosol.  
**Appearance** : Aerosol.  
**Other means of identification** : Not available.  
**Date of issue/ Date of revision** : 19 February 2026  
**Version** : 3.05  
**Date of previous issue** : 12 February 2026

#### 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

U-POL NETHERLANDS B.V,  
DE GEER 14,  
4004LT TIEL,  
NETHERLANDS  
+31 20 240 2216  
sds-competence@axalta.com

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

#### National contact

U-POL LTD,  
DENINGTON ROAD,  
WELLINGBOROUGH,  
NN8 2QH  
+44 (0) 1933 230310  
sds-competence@axalta.com

#### 1.4 Emergency telephone number

##### National advisory body/Poison Centre

**Telephone number** : 010-456 6700 (9:00-17:00);112

##### Supplier

+(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Aerosol 1, H222, H229

Eye Irrit. 2, H319

STOT SE 3, H336

Aquatic Acute 1, H400

Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity** : 3.4 percent of the mixture consists of component(s) of unknown acute dermal toxicity  
3.4 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

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.

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** : Danger

**Contains** : acetone

**Hazard statements** : H222, H229 - Extremely flammable aerosol. Pressurised container: may burst if heated.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H410 - Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

**Prevention** : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P273 - Avoid release to the environment.  
P251 - Do not pierce or burn, even after use.

**Response** : P391 - Collect spillage.

**Storage** : P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Disposal** : Not applicable.

**Supplemental label elements** : EUH066 - Repeated exposure may cause skin dryness or cracking.  
EUH205 - Contains epoxy constituents. May produce an allergic reaction.

**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

## SECTION 2: Hazards identification

**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	Specific Conc. Limits, M-factors and ATEs	Type
dimethyl ether	REACH #: 01-2119472128-37 EC: 204-065-8 CAS: 115-10-6 Index: 603-019-00-8	≥25 - ≤50	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	-	[1] [2]
acetone	REACH #: 01-2119471330-49 EC: 200-662-2 CAS: 67-64-1	≥25 - ≤50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	-	[1] [2]
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4	≤10	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2	≤10	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
Copper (granulated)	EC: 231-159-6 CAS: 7440-50-8 Index: 029-026-00-0	≤5	Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/kg M [Acute] = 10 M [Chronic] = 1	[1] [2]
butan-1-ol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	<3	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	ATE [Oral] = 790 mg/kg	[1] [2]
trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤3	Aquatic Acute 1, H400 Aquatic Chronic 1, H410  <b>See Section 16 for the full text of the H statements declared above.</b>	M [Acute] = 1 M [Chronic] = 1	[1]

## SECTION 3: Composition/information on ingredients

There are no 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.

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

[2] Substance with a workplace exposure limit

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- 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.

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### 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.

See toxicological information (Section 11)

## 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).

## SECTION 7: Handling and storage

**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
P3a	150 tonnes	500 tonnes
E1	100 tonnes	200 tonnes

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

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

Product/ingredient name	Identifiers	Exposure limit values
dimethyl ether	REACH #: 01-2119472128-37 EC: 204-065-8 CAS: 115-10-6 Index: 603-019-00-8	<b>Work environment authority Regulation 2018:1 (Sweden, 11/2022)</b> TWA 8 hours: 500 ppm. TWA 8 hours: 950 mg/m <sup>3</sup> . STEL 15 minutes: 800 ppm. STEL 15 minutes: 1500 mg/m <sup>3</sup> . <b>EU OEL (Europe, 1/2022)</b> TWA 8 hours: 1000 ppm. TWA 8 hours: 1920 mg/m <sup>3</sup> .
acetone	REACH #: 01-2119471330-49 EC: 200-662-2 CAS: 67-64-1	<b>Work environment authority Regulation 2018:1 (Sweden, 11/2022)</b> TWA 8 hours: 250 ppm. TWA 8 hours: 600 mg/m <sup>3</sup> . STEL 15 minutes: 500 ppm. STEL 15 minutes: 1200 mg/m <sup>3</sup> . <b>EU OEL (Europe, 1/2022)</b> TWA 8 hours: 500 ppm. TWA 8 hours: 1210 mg/m <sup>3</sup> .
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4	<b>Work environment authority Regulation 2018:1 (Sweden, 11/2022) [butyl acetate]</b> TWA 8 hours: 50 ppm. TWA 8 hours: 241 mg/m <sup>3</sup> . STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m <sup>3</sup> . <b>EU OEL (Europe, 1/2022)</b> STEL 15 minutes: 150 ppm. STEL 15 minutes: 723 mg/m <sup>3</sup> . TWA 8 hours: 241 mg/m <sup>3</sup> . TWA 8 hours: 50 ppm.
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2	<b>Work environment authority Regulation 2018:1 (Sweden, 11/2022) Absorbed through skin.</b> STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m <sup>3</sup> . TWA 8 hours: 190 mg/m <sup>3</sup> . TWA 8 hours: 50 ppm. <b>EU OEL (Europe, 1/2022) Absorbed through skin.</b> TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m <sup>3</sup> . STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m <sup>3</sup> .
Copper (granulated)	EC: 231-159-6 CAS: 7440-50-8 Index: 029-026-00-0	<b>Work environment authority Regulation 2018:1 (Sweden, 11/2022) [copper and inorganic compounds]</b> TWA 8 hours: 0.01 mg/m <sup>3</sup> (as Cu). Form: respirable fraction.
butan-1-ol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	<b>Work environment authority Regulation 2018:1 (Sweden, 11/2022) Absorbed through skin.</b> TWA 8 hours: 15 ppm. TWA 8 hours: 45 mg/m <sup>3</sup> . STEL 15 minutes: 30 ppm. STEL 15 minutes: 90 mg/m <sup>3</sup> .

## SECTION 8: Exposure controls/personal protection

### Biological exposure indices

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard 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**

dimethyl ether

#### **Result**

**DNEL - General population - Long term - Inhalation**

471 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

1894 mg/m<sup>3</sup>

Effects: Systemic

acetone

**DNEL - Workers - Long term - Inhalation**

500 ppm

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

186 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

1210 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

2420 mg/m<sup>3</sup>

Effects: Local

n-butyl acetate

**DNEL - Workers - Short term - Dermal**

11 mg/kg bw/day

Effects: Systemic

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

2 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Short term - Oral**

2 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Dermal**

3.4 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Short term - Dermal**

## SECTION 8: Exposure controls/personal protection

6 mg/kg bw/day  
Effects: Systemic

**DNEL - Workers - Short term - Dermal**

11 mg/kg bw/day  
Effects: Systemic

**DNEL - General population - Long term - Inhalation**

12 mg/m<sup>3</sup>  
Effects: Systemic

**DNEL - General population - Long term - Inhalation**

35.7 mg/m<sup>3</sup>  
Effects: Local

**DNEL - General population - Short term - Inhalation**

300 mg/m<sup>3</sup>  
Effects: Local

**DNEL - General population - Short term - Inhalation**

300 mg/m<sup>3</sup>  
Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

300 mg/m<sup>3</sup>  
Effects: Local

**DNEL - Workers - Short term - Inhalation**

600 mg/m<sup>3</sup>  
Effects: Local

**DNEL - Workers - Short term - Inhalation**

600 mg/m<sup>3</sup>  
Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

300 mg/m<sup>3</sup>  
Effects: Systemic

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**

78 mg/kg bw/day  
Effects: Systemic

**DNEL - Workers - Long term - Dermal**

183 mg/kg bw/day  
Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

369 mg/m<sup>3</sup>

## SECTION 8: Exposure controls/personal protection

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

553.5 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Short term - Inhalation**

553.5 mg/m<sup>3</sup>

Effects: Systemic

copper

**DNEL - General population - Long term - Dermal**

137 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

137 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Short term - Dermal**

273 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Short term - Dermal**

273 mg/kg bw/day

Effects: Systemic

butan-1-ol

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

1.5625 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Dermal**

3.125 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

55.357 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

155 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

310 mg/m<sup>3</sup>

Effects: Local

### PNECs

**Product/ingredient name**

acetone

**Result**

**Fresh water**

10.6 mg/l

**Marine water sediment**

1.06 mg/l

**Sediment**

30.4 mg/kg

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

	<b>Marine water sediment</b> 3.04 mg/kg
	<b>Soil</b> 29.5 mg/kg
	<b>Sewage Treatment Plant</b> 100 mg/l
n-butyl acetate	<b>Soil</b> 0.09 mg/kg
	<b>Fresh water</b> 0.18 mg/l
	<b>Sewage Treatment Plant</b> 35.6 mg/l
	<b>Marine water</b> 0.018 mg/l
	<b>Fresh water sediment</b> 0.981 mg/kg
	<b>Marine water sediment</b> 0.098 mg/kg
1-methoxypropan-2-ol	<b>Marine water</b> 1 mg/l
	<b>Fresh water</b> 10 mg/l
	<b>Fresh water sediment</b> 52.3 mg/kg
	<b>Marine water sediment</b> 5.2 mg/kg
	<b>Sewage Treatment Plant</b> 100 mg/l
	<b>Soil</b> 4.59 mg/kg
butan-1-ol	<b>Fresh water</b> 0.082 mg/l
	<b>Marine water</b> 0.0082 mg/l
	<b>Fresh water sediment</b> 0.324 mg/kg dwt
	<b>Marine water sediment</b> 0.0324 mg/kg dwt
	<b>Soil</b>

## SECTION 8: Exposure controls/personal protection

0.017 mg/kg dwt

**Sewage Treatment Plant**  
2476 mg/l

### 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. 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.

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.

## SECTION 8: Exposure controls/personal protection

**Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.  
A management program to ensure safe use including proper fitting, training on handling, duration of use, cleaning and replacement of respirators must be in place.  
Recommended:  
EN 140 filter mask with AXP3 or ABEK2P3 filter according to EN 14387 or pressurized air respirator according to EN 14594.  
Depending on the risk assessment of the workplace, other respirator types might be selected.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flattening 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

<b>Physical state</b>	: Liquid.
<b>Colour</b>	: Copper.
<b>Odour</b>	: Characteristic.
<b>Odour threshold</b>	: Not available.
<b>Melting point/freezing point</b>	: Technically not possible to measure
<b>Boiling point or initial boiling point and boiling range</b>	: Not applicable.
<b>Flammability</b>	: Not available.
<b>Lower and upper explosion limit</b>	: Lower: 1.2% Upper: 26.2%
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Flash point</b>	: Closed cup: -41°C
<b>Auto-ignition temperature</b>	: 270°C
<b>Decomposition temperature</b>	: Not applicable.
<b>pH</b>	: Not applicable.
Justification	: Product is non-polar/aprotic.
<b>Viscosity</b>	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C): Not available.
<b>Vapour pressure</b>	212.7 kPa (1595.03 mm Hg)
<b>Density</b>	: 0.807 g/cm <sup>3</sup>
<b>Weight volatiles</b>	: 88.2 % (w/w)
<b>VOC content</b>	: 88.1 % (w/w) (2010/75/EU)

### 9.2 Other information

## SECTION 9: Physical and chemical properties

### 9.2.1 Information with regard to physical hazard classes

Heat of combustion : 26.79 kJ/g

#### Aerosol product

Type of aerosol : Spray

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 hazard classes as defined in Regulation (EC) No 1272/2008

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

## SECTION 11: Toxicological information

### Acute toxicity

<b>Product/ingredient name</b>	<b>Result</b>
dimethyl ether	<b>Rat - Oral - LD50</b> >99999 mg/kg
-	<b>Rat - Dermal - LD50</b> >99999 mg/kg
-	<b>Rat - Inhalation - LC50 Vapour</b> 309 g/m <sup>3</sup> [4 hours]
-	<b>Rat - Inhalation - LC50 Gas.</b> 164000 ppm [4 hours] <u>Toxic effects:</u> Behavioral - Ataxia Behavioral - Coma
acetone	<b>Rat - Oral - LD50</b> 5800 mg/kg <u>Toxic effects:</u> Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor
-	<b>Rabbit - Dermal - LD50</b> 2001 mg/kg
-	<b>Rat - Inhalation - LC50 Vapour</b> 21 mg/l [4 hours]
n-butyl acetate	<b>Rat - Oral - LD50</b> 10768 mg/kg <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity) Lung, Thorax, or Respiration - Other changes Liver - Other changes
-	<b>Rabbit - Dermal - LD50</b> >17600 mg/kg
-	<b>Rat - Inhalation - LC50 Vapour</b> 21.1 mg/l [4 hours]
1-methoxy-2-propanol	<b>Rabbit - Dermal - LD50</b> 13 g/kg
-	<b>Rat - Oral - LD50</b> 6600 mg/kg <u>Toxic effects:</u> Brain and Coverings - Other degenerative changes Behavioral - General anesthetic Lung, Thorax, or Respiration - Dyspnea
Copper (granulated)	<b>Rat - Male, Female - Oral - LD50</b> 300 to 500 mg/kg
butan-1-ol	<b>Rat - Oral - LD50</b> 790 mg/kg <u>Toxic effects:</u> Liver - Fatty liver degeneration Kidney, Ureter, and Bladder - Other changes Blood - Other changes
-	<b>Rabbit - Dermal - LD50</b> 3400 mg/kg

## SECTION 11: Toxicological information

- **Rat - Inhalation - LC50 Vapour**  
24000 mg/m<sup>3</sup> [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	10451.5	N/A	N/A	N/A	N/A
dimethyl ether	N/A	N/A	164000	309	N/A
acetone	5800	2001	N/A	21	N/A
n-butyl acetate	10768	N/A	N/A	21.1	N/A
1-methoxy-2-propanol	6600	13000	N/A	N/A	N/A
Copper (granulated)	500	N/A	N/A	N/A	N/A
butan-1-ol	790	3400	N/A	24	N/A

### Skin corrosion/irritation

#### Product/ingredient name

acetone

#### Result

**Rabbit - Skin - Mild irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

-

**Rabbit - Skin - Mild irritant**

Amount/concentration applied: 395 mg

1-methoxy-2-propanol

**Rabbit - Skin - Mild irritant**

Amount/concentration applied: 500 mg

butan-1-ol

**Rabbit - Skin - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

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

### Serious eye damage/eye irritation

#### Product/ingredient name

acetone

#### Result

**Human - Eyes - Mild irritant**

Amount/concentration applied: 186300 ppm

-

**Rabbit - Eyes - Mild irritant**

Amount/concentration applied: 10 uL

-

**Rabbit - Eyes - Moderate irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

-

**Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 20 mg

Copper (granulated)

**Rabbit - Eyes - Cornea opacity**

## SECTION 11: Toxicological information

OECD [Acute Eye Irritation/Corrosion]

Irritation score: 1

Fully reversible in more than 7 days

butan-1-ol

**Rabbit - Eyes - Severe irritant**

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 mg

-

**Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 0.005 MI

-

**Rabbit - Eyes - Severe irritant**

Amount/concentration applied: 1.62 mg

-

**Rabbit - Eyes - Cornea opacity**

OECD [Acute Eye Irritation/Corrosion]

Observation period: 7 days

Irritation score: 2.11

Not reversible

**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
acetone	STOT SE 3, H336 (Narcotic effects)
n-butyl acetate	STOT SE 3, H336 (Narcotic effects)
1-methoxy-2-propanol	STOT SE 3, H336 (Narcotic effects)
butan-1-ol	STOT SE 3, H335 (Respiratory tract irritation)
-	STOT SE 3, H336 (Narcotic effects)

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

Not available.

### Potential acute health effects

<b>Eye contact</b>	: Causes serious eye irritation.
<b>Inhalation</b>	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
<b>Skin contact</b>	: Defatting to the skin. May cause skin dryness and irritation.
<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 or irritation watering redness
<b>Inhalation</b>	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
<b>Skin contact</b>	: Adverse symptoms may include the following: irritation dryness cracking
<b>Ingestion</b>	: No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

#### Long term exposure

<b>Potential immediate effects</b>	: Not available.
------------------------------------	------------------

## SECTION 11: Toxicological information

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

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

**General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**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.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

#### Product/ingredient name

acetone

#### Result

##### Acute - LC50 - Fresh water

Daphnia - Water flea - *Daphnia magna*

10 mg/l [48 hours]

Effect: Mortality

-

##### Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa*

4.95 mg/l [96 hours]

Effect: Reproduction

-

##### Acute - EC50 - Marine water

Algae - Green algae - *Ulva pertusa*

20.565 mg/l [96 hours]

Effect: Reproduction

-

##### Chronic - NOEC - Fresh water

Crustaceans - Daphnia - *Daphniidae*

0.016 ml/l [21 days]

Effect: Population

-

##### Acute - LC50 - Fresh water

Fish - Guppy - *Poecilia reticulata*

Age: 4 to 12 months; Size: 2 to 10 cm; Weight: 0.5 to 14 g

5600 ppm [96 hours]

Effect: Mortality

## SECTION 12: Ecological information

n-butyl acetate	<p><b>Acute - LC50 - Marine water</b>  Fish - Inland silverside - <i>Menidia beryllina</i>  185 ppm [96 hours]  <u>Effect</u>: Mortality</p>
1-methoxy-2-propanol	<p><b>Acute - LC50</b>  OECD 203  Fish - Trout  ≥1000 mg/l [96 hours]</p>
-	<p><b>Acute - LC50</b>  OECD 202  Daphnia - Daphnia  &gt;21100 mg/l [48 hours]</p>
Copper (granulated)	<p><b>Acute - EC50 - Fresh water</b>  Crustaceans - Water flea - <i>Ceriodaphnia pulchella</i> - Juvenile (Fledgling, Hatchling, Weanling)  <u>Age</u>: &lt;48 hours  1.7 µg/l [48 hours]  <u>Effect</u>: Intoxication</p>
-	<p><b>Chronic - EC10</b>  OECD  Daphnia - Water flea - <i>Daphnia magna</i> - Neonate  <u>Age</u>: &lt;24 hours  8.1 µg/l [21 days]  <u>Effect</u>: Reproduction</p>
-	<p><b>Acute - IC50 - Fresh water</b>  Algae - Green algae - <i>Raphidocelis subcapitata</i> - Exponential growth phase  13 µg/l [72 hours]  <u>Effect</u>: Population</p>
-	<p><b>Chronic - NOEC - Fresh water</b>  Algae - Green algae - <i>Raphidocelis subcapitata</i> - Exponential growth phase  3.2 µg/l [72 hours]  <u>Effect</u>: Population</p>
butan-1-ol	<p><b>Acute - LC50 - Fresh water</b>  Fish - Fathead minnow - <i>Pimephales promelas</i>  <u>Age</u>: 33 days; <u>Size</u>: 20.6 mm; <u>Weight</u>: 0.119 g  1730 mg/l [96 hours]  <u>Effect</u>: Mortality</p>
-	<p><b>Acute - EC50 - Fresh water</b>  Daphnia - Water flea - <i>Daphnia magna</i>  <u>Age</u>: 6 to 24 hours  1983 mg/l [48 hours]  <u>Effect</u>: Intoxication</p>

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

## SECTION 12: Ecological information

### 12.2 Persistence and degradability

Product/ingredient name	Result
1-methoxy-2-propanol	OECD 301E 96% [28 days]

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
1-methoxy-2-propanol	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
dimethyl ether	0.07	-	Low
acetone	-0.23	-	Low
n-butyl acetate	2.3	-	Low
1-methoxy-2-propanol	<1	-	Low
butan-1-ol	1	-	Low
trizinc bis(orthophosphate)	-	60960	High

### 12.4 Mobility in soil

#### Soil/water partition coefficient

Product/ingredient name	logK <sub>oc</sub>	K <sub>oc</sub>
dimethyl ether	0.44	2.76229
acetone	0.56	3.6548
n-butyl acetate	1.5	33.2139
1-methoxy-2-propanol	1	10.447
butan-1-ol	0.51	3.22078

#### Results of PMT and vPvM assessment

Product/ingredient name	PMT	P	M	T	vPvM	vP	vM
dimethyl ether	No	N/A	Yes	No	N/A	N/A	Yes
acetone	No	N/A	Yes	No	N/A	N/A	Yes
n-butyl acetate	No	N/A	Yes	No	N/A	N/A	Yes
1-methoxy-2-propanol	No	N/A	Yes	No	N/A	N/A	Yes
Copper (granulated)	No	No	No	No	No	No	No
butan-1-ol	No	N/A	Yes	No	N/A	N/A	Yes
trizinc bis(orthophosphate)	No	No	No	No	No	No	No

**Mobility** : Not available.

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PMT or vPvM.

### 12.5 Results of PBT and vPvB assessment

#### Regulation (EC) No. 1907/2006 [REACH]

## SECTION 12: Ecological information

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
dimethyl ether	No	N/A	N/A	No	N/A	N/A	N/A
acetone	No	N/A	N/A	No	N/A	N/A	N/A
n-butyl acetate	No	N/A	N/A	No	N/A	N/A	N/A
1-methoxy-2-propanol	No	N/A	N/A	No	N/A	N/A	N/A
Copper (granulated)	No	No	No	No	No	No	No
butan-1-ol	No	N/A	N/A	No	N/A	N/A	N/A
trizinc bis(orthophosphate)	No	No	No	No	No	No	No

### Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
dimethyl ether	No	N/A	N/A	No	N/A	N/A	N/A
acetone	No	N/A	N/A	No	N/A	N/A	N/A
n-butyl acetate	No	N/A	N/A	No	N/A	N/A	N/A
1-methoxypropan-2-ol	No	N/A	N/A	No	N/A	N/A	N/A
copper	No	No	No	No	No	No	No
butan-1-ol	No	N/A	N/A	No	N/A	N/A	N/A
trizinc bis(orthophosphate)	No	No	No	No	No	No	No

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PBT or vPvB.

### Regulation (EC) No. 1272/2008 [CLP]

#### 12.6 Endocrine disrupting properties

Not available.

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

#### 12.7 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** : The classification of the product may meet the criteria for a hazardous waste.
- Disposal considerations** : Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

## SECTION 13: Disposal considerations

### 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.

**Disposal considerations** : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

Type of packaging	European waste catalogue (EWC)	
CEPE Guidelines	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. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number or ID number</b>	UN1950	UN1950	UN1950	UN1950
<b>14.2 UN proper shipping name</b>	AEROSOLS	AEROSOLS	AEROSOLS	Aerosols, flammable
<b>14.3 Transport hazard class(es)</b>	2  	2  	2.1  	2.1 
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5 Environmental hazards</b>	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.

### Additional information

**ADR/RID** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**Tunnel code (D)**

**ADN** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**Marine pollutant** : Copper (granulated)

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

## SECTION 14: Transport information

**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 Maritime transport in bulk according to IMO instruments** : Not applicable.

The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible shipping description for this product. Consult your shipping specialist or supplier for appropriate assignment information.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**EU Regulation (EC) No. 1907/2006 (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

Product/ingredient name	%	Designation [Usage]
mixture	≥90	3

**Labelling** : Not applicable.

### Other EU regulations

**Explosive precursors** : This product is regulated by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

### Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

### National regulations

**Industrial use** : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

**Flammable liquid class (SRVFS 2005:10)** : 1

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

**CEPE code** : 1

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
- B = Bioaccumulative
- BCF = Bioconcentration Factor
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- IATA = International Air Transport Association
- IMDG = International Maritime Dangerous Goods
- IMO = International Maritime Organization
- M = Mobile
- N/A = Not available
- P = Persistent
- PBT = Persistent, Bioaccumulative and Toxic
- PMT = Persistent, Mobile 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
- T = Toxic
- vB = Very Bioaccumulative
- vM = Very Mobile
- vP = Very Persistent
- vPvB = Very Persistent and Very Bioaccumulative
- vPvM = Very Persistent and Very Mobile

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Aerosol 1, H222, H229 Eye Irrit. 2, H319 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	On basis of test data Calculation method Calculation method Calculation method Calculation method

### Full text of abbreviated H statements

H220 H222, H229	Extremely flammable gas. Extremely flammable aerosol. Pressurised container: may burst if heated.
H225 H226	Highly flammable liquid and vapour. Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

**SECTION 16: Other information**

H410 H411 EUH066	Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.
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**Full text of classifications [CLP/GHS]**

Acute Tox. 4 Aerosol 1 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Eye Dam. 1 Eye Irrit. 2 Flam. Gas 1A Flam. Liq. 2 Flam. Liq. 3 Press. Gas (Comp.) Skin Irrit. 2 STOT SE 3	ACUTE TOXICITY - Category 4 AEROSOLS - Category 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE GASES - Category 1A FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 GASES UNDER PRESSURE - Compressed gas SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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**Notice to reader**

**This product is intended for industrial use only.**

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