



# SAFETY DATA SHEET

5131 2C EP Primer DSP Activator

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

### 1.1 Product identifier

**Product name** : 5131 2C EP Primer DSP Activator  
**Product description** : Paint Hardener.  
**Product type** : Liquid.  
**UFI** : 5EH0-T0CU-W00W-5GD5

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

Identified uses	
Industrial uses Professional uses	
Uses advised against	Reason
Consumer use	Product is not intended for consumer use.

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

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 Martin Mathys NV, Kolenbergstraat 23, B-3545 Zelem, Belgium  
 Telephone no.: +32 (0) 13 460 200  
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Tor Coatings Limited  
 Unit 21, White Rose Way, Follingsby Park, Gateshead, Tyne & Wear, NE10 8YX United Kingdom  
 Telephone no.: +44 (0) 191 4106611  
 Fax no.: +44 (0) 191 4920125  
 enquiries@tor-coatings.com

**e-mail address of person responsible for this SDS** : rpmeurohas@rustoleum.eu

### 1.4 Emergency telephone number

#### Supplier

**Telephone number** : +44 (0) 207 858 1228  
**Hours of operation** : 24 / 7

## 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]

Acute Tox. 4, H302  
 Skin Corr. 1B, H314  
 Eye Dam. 1, H318  
 Skin Sens. 1, H317  
 Repr. 1B, H360Fd  
 Aquatic Chronic 2, H411

**SECTION 2: Hazards identification**

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

**2.2 Label elements****Hazard pictograms****Signal word**

: Danger

**Hazard statements**

: Harmful if swallowed.  
 Causes severe skin burns and eye damage.  
 May cause an allergic skin reaction.  
 May damage fertility. Suspected of damaging the unborn child.  
 Toxic to aquatic life with long lasting effects.

**Precautionary statements****General**

: Not applicable.

**Prevention**

: P201 - Obtain special instructions before use.  
 P280 - Wear protective gloves: neoprene rubber or nitrile gloves. Wear eye or face protection: safety glasses with side-shields.  
 P273 - Avoid release to the environment.

**Response**

: P391 - Collect spillage.  
 P308 + P313 - IF exposed or concerned: Get medical advice or attention.  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.  
 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**

: P405 - Store locked up.

**Disposal**

: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazardous ingredients**

: benzyl alcohol; Fatty acids, C18-unsatd., dimers, polymers with triethylenetetramine, reaction products with poly(bisphenol A diglycidyl ether); Fatty acids, tall-oil, reaction products with triethylenetetramine; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-fenilenbis(methylamine); 3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-fenilenbis(methylamine); bisphenol A; salicylic acid; 2,4,6-tris(dimethylaminomethyl) phenol; 3,6-diazaoctanethylenediamin; 3-aminopropyl(dimethylamine); N-(3-(trimethoxysilyl)propyl)ethylenediamine and trimethylhexane-1,6-diamine

**Supplemental label elements**

: Not applicable.

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

: Restricted to professional users.

**Special packaging requirements****Containers to be fitted with child-resistant fastenings**

: Not applicable.

**Tactile warning of danger**

: Not applicable.

**SECTION 2: Hazards identification****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	
			Regulation (EC) No. 1272/2008 [CLP]	Type
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥25 - ≤50	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1]
Fatty acids, C18-unsatd., dimers, polymers with triethylenetetramine, reaction products with poly(bisphenol A diglycidyl ether)	EC: 629-787-4 CAS: 68424-41-9	≥10 - ≤25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	[1]
Fatty acids, tall-oil, reaction products with triethylenetetramine	REACH #: 01-2119490750-36 EC: 272-905-0 CAS: 68919-79-9	≤10	Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
3-aminomethyl-3,5,5-trimethylcyclohexylamine	REACH #: 01-2119514687-32 EC: 220-666-8 CAS: 2855-13-2 Index: 612-067-00-9	≤10	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
m-fenilenbis (methylamine)	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0 Index: 216-032-5	≤10	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	[1]
3-aminomethyl-3,5,5-trimethylcyclohexylamine	REACH #: 01-2119514687-32 EC: 220-666-8 CAS: 2855-13-2 Index: 612-067-00-9	≤10	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 3, H412	[1]
m-fenilenbis (methylamine)	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0 Index: 216-032-5	≤10	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
bisphenol A	REACH #: 01-2119457856-23 EC: 201-245-8 CAS: 80-05-7 Index: 604-030-00-0	≤5	Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360F STOT SE 3, H335 Aquatic Chronic 2, H411	[1] [2]

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

salicylic acid	REACH #: 01-2119486984-17 EC: 200-712-3 CAS: 69-72-7	≤5	Acute Tox. 4, H302 Eye Dam. 1, H318 Repr. 2, H361d	[1]
Isopropyl alcohol	REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0	≤5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1] [2]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2 Index: 603-069-00-0	≤5	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
3,6-diazaoctanethylenediamin	REACH #: 01-2119487919-13 EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5	≤3	Acute Tox. 3, H311 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
3-aminopropyldimethylamine	REACH #: 01-2119486842-27 EC: 203-680-9 CAS: 109-55-7 Index: 612-061-00-6	≤3	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317	[1]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≤3	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
N-(3-(trimethoxysilyl) propyl)ethylenediamine	REACH #: 01-2119457435-35 EC: 217-164-6 CAS: 1760-24-3	≤1	Acute Tox. 4, H332 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
trimethylhexane- 1,6-diamine	REACH #: 01-2119560598-25 EC: 247-134-8 CAS: 25620-58-0	≤0,3	Acute Tox. 4, H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317  <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 health or environmental hazard  
 [2] Substance with a workplace exposure limit  
 [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII  
 [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII  
 [5] Substance of equivalent concern  
 [6] Additional disclosure due to company policy

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

**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** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

**SECTION 4: First aid measures**

- 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**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.

Contains Fatty acids, tall-oil, reaction products with triethylenetetramine, 3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-fenilenbis(methylamine), 3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-fenilenbis(methylamine), bisphenol A, 3,6-diazaoctanethylenediamin, 3-aminopropyldimethylamine, N-(3-(trimethoxysilyl)propyl)ethylenediamine, trimethylhexane-1,6-diamine. May produce an allergic reaction.

**Over-exposure signs/symptoms**

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
stomach pains  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## SECTION 4: First aid measures

**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** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Additional information** : No unusual hazard if involved in a fire.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**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

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## SECTION 6: Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
- 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.

- 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: oxidizing 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.

#### Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
E2	200 tonne	500 tonne

### 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**

Product/ingredient name	Exposure limit values
bisphenol A	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable dust
Isopropyl alcohol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> STEL: 1250 mg/m <sup>3</sup> 15 minutes. STEL: 500 ppm 15 minutes. TWA: 999 mg/m <sup>3</sup> 8 hours. TWA: 400 ppm 8 hours.
1-methoxy-2-propanol	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b> STEL: 560 mg/m <sup>3</sup> 15 minutes. STEL: 150 ppm 15 minutes. TWA: 375 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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	Type	Exposure	Value	Population	Effects
benzyl alcohol	DNEL	Short term Dermal	47 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	450 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	9,5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	90 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Dermal	28,5 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Short term Inhalation	40,55 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Short term Oral	25 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Dermal	5,7 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Inhalation	8,11 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Long term Oral	5 mg/kg	General	Systemic



## SECTION 8: Exposure controls/personal protection

3-aminomethyl- 3,5,5-trimethylcyclohexylamine	DNEL	Short term Inhalation	20,1 mg/m <sup>3</sup>	bw/day population [Consumers] Workers	Systemic
	DNEL	Short term Inhalation	20,1 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	0,526 mg/ kg bw/day	General population [Consumers]	Systemic
3-aminomethyl- 3,5,5-trimethylcyclohexylamine	DNEL	Short term Inhalation	20,1 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	20,1 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	0,526 mg/ kg bw/day	General population [Consumers]	Systemic
Isopropyl alcohol	DNEL	Short term Dermal	888 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	500 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Dermal	319 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Short term Inhalation	89 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Short term Oral	26 mg/kg bw/day	General population [Consumers]	Systemic
2,4,6-tris(dimethylaminomethyl) phenol 1-methoxy-2-propanol	DNEL	Long term Inhalation	0,31 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	553,5 mg/ m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	369 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	50,6 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	43,9 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Long term Dermal	18,1 mg/ kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Oral	3,3 mg/kg bw/day	General population [Consumers]	Systemic

### PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
benzyl alcohol	Fresh water	1 mg/l	Assessment Factors
	Marine	0,1 mg/l	Assessment Factors
	Fresh water sediment	5,27 mg/kg	Assessment Factors
	Marine water sediment	0,527 mg/kg	Assessment Factors
	Soil	0,456 mg/kg	Assessment Factors
	Sewage Treatment Plant	39 mg/l	Assessment Factors
3-aminomethyl- 3,5,5-trimethylcyclohexylamine	Fresh water	0,06 mg/l	Assessment Factors
	Marine	0,006 mg/l	Assessment Factors
	Fresh water sediment	5,784 mg/kg	Assessment Factors
	Marine water sediment	0,578 mg/kg	Assessment Factors
	Sewage Treatment	3,18 mg/l	Assessment Factors

## SECTION 8: Exposure controls/personal protection

3-aminomethyl- 3,5,5-trimethylcyclohexylamine	Plant		
	Soil	1,121 mg/kg	Assessment Factors
	Fresh water	0,06 mg/l	Assessment Factors
	Marine	0,006 mg/l	Assessment Factors
	Fresh water sediment	5,784 mg/kg	Assessment Factors
Isopropyl alcohol	Marine water sediment	0,578 mg/kg	Assessment Factors
	Sewage Treatment	3,18 mg/l	Assessment Factors
	Plant		
	Soil	1,121 mg/kg	Assessment Factors
	Fresh water	140,9 mg/l	-
2,4,6-tris(dimethylaminomethyl)phenol	Marine	140,9 mg/l	-
	Fresh water sediment	552 mg/kg	-
	Marine water sediment	552 mg/kg	-
	Soil	28 mg/kg	-
	Sewage Treatment	2251 mg/l	-
1-methoxy-2-propanol	Plant		
	Fresh water	0,84 mg/l	-
	Fresh water	10 mg/l	-
	Fresh water sediment	41,6 mg/l	-
	Marine water sediment	4,17 mg/l	-
	Soil	2,47 mg/l	-
	Sewage Treatment	100 mg/l	-
	Plant		

### 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** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: safety glasses with side-shields (EN 166).

#### 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.

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

- Gloves** : For prolonged or repeated handling, use the following type of gloves:
- Recommended: > 8 hours (breakthrough time): neoprene (0.65mm) or nitrile rubber (0.5mm) gloves
- The recommendation for the type or types of glove to use when handling this product is based on information from the following source:  
EN 374
- 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** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: overall (EN 467).
- 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** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: organic vapour filter (Type A) (EN 140)
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

- Physical state** : Liquid.
- Colour** : Colourless.
- Odour** : Alcohol-like. [Slight]
- Odour threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flash point** : Closed cup: >60°C
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Upper/lower flammability or explosive limits** : Not available.
- Vapour pressure** : Not available.
- Vapour density** : Not available.
- Relative density** : 1,01
- Solubility(ies)** : Not available.
- Partition coefficient: n-octanol/ water** : Not applicable.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.
- Explosive properties** : Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.
- Oxidising properties** : Not available.

**SECTION 9: Physical and chemical properties****9.2 Other information**

No additional information.

**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: oxidizing agents, strong alkalis, strong acids.
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO<sub>2</sub> and smoke can be generated.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	4,178 mg/l	4 hours
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1230 mg/kg	-
	LD50 Oral	Rat	1620 mg/kg	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine m-fenilenbis(methylamine)	LD50 Oral	Rat	1030 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	1900 mg/m <sup>3</sup>	1 hours
	LC50 Inhalation Gas.	Rat	700 ppm	1 hours
	LD50 Dermal	Rabbit	2 g/kg	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine m-fenilenbis(methylamine)	LD50 Oral	Rat	930 mg/kg	-
	LD50 Oral	Rat	1030 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	1,34 mg/l	4 hours
bisphenol A	LC50 Inhalation Gas.	Rat	700 ppm	1 hours
	LD50 Dermal	Rabbit	2 g/kg	-
	LD50 Oral	Rat	930 mg/kg	-
salicylic acid	LC50 Inhalation Vapour	Rat	200 ppm	4 hours
	LD50 Oral	Rat	1200 mg/kg	-
Isopropyl alcohol	LC50 Inhalation Dusts and mists	Rat	0,9 g/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	891 mg/kg	-
	LC50 Inhalation Vapour	Rat	30 mg/l	4 hours
	LC50 Inhalation Vapour	Rat	16000 ppm	4 hours
2,4,6-tris	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
	LD50 Dermal	Rabbit	1242 mg/kg	-

**SECTION 11: Toxicological information**

(dimethylaminomethyl) phenol	LD50 Oral	Rat	2169 mg/kg	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	805 mg/kg	-
3-aminopropyl dimethylamine	LD50 Oral	Rat	2500 mg/kg	-
	LC50 Inhalation Vapour	Rat	24,8 mg/l	4 hours
	LD50 Dermal	Rabbit	2140 mg/kg	-
1-methoxy-2-propanol	LD50 Oral	Rat	1870 mg/kg	-
	LC50 Inhalation Vapour	Rat	30,02 mg/l	4 hours
	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Mouse	11700 mg/kg	-
	LD50 Oral	Rat - Male, Female	4016 mg/kg	-
N-(3-(trimethoxysilyl)propyl) ethylenediamine	LD50 Dermal	Rat	>2009 mg/kg	-
	LD50 Oral	Rat	2413 mg/kg	-

**Conclusion/Summary** : Harmful if swallowed.

**Acute toxicity estimates**

Route	ATE value
Oral	500 mg/kg

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
benzyl alcohol	Skin - Moderate irritant	Pig	-	100 Percent	-
	Eyes - Irritant	Rabbit	-	-	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Eyes - Cornea opacity	Rabbit	2	24 hours	-
	Skin - Severe irritant	Rabbit	-	4 hours	-
m-fenilenbis(methylamine)	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Skin - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Eyes - Cornea opacity	Rabbit	2	24 hours	-
	Skin - Severe irritant	Rabbit	-	4 hours	-
m-fenilenbis(methylamine)	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Skin - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
bisphenol A	Eyes - Severe irritant	Rabbit	-	24 hours 250 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	250 milligrams	-
Isopropyl alcohol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
2,4,6-tris(dimethylaminomethyl) phenol	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Skin - Mild irritant	Rat	-	0.025 Milliliters	-
	Skin - Severe irritant	Rat	-	0.25 Milliliters	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 milligrams	-

**SECTION 11: Toxicological information**

3,6-diazaoctanethylenediamin	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	49 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
3-aminopropyl dimethylamine N-(3-(trimethoxysilyl)propyl) ethylenediamine	Skin - Severe irritant	Rabbit	-	490 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	5 milligrams	-
	Eyes - Severe irritant	Rabbit	-	15 milligrams	-
trimethylhexane-1,6-diamine	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Irritant	Rabbit	-	<3 minutes	-

**Conclusion/Summary**

- Skin** : Causes severe skin burns and eye damage.  
**Eyes** : Causes serious eye damage.  
**Respiratory** : Based on available data, the classification criteria are not met.

**Sensitisation**

Product/ingredient name	Route of exposure	Species	Result
3-aminomethyl-3,5,5-trimethylcyclohexylamine	skin	Guinea pig	Sensitising
3-aminomethyl-3,5,5-trimethylcyclohexylamine	skin	Guinea pig	Sensitising
2,4,6-tris(dimethylaminomethyl)phenol	skin	Guinea pig	Not sensitizing
3-aminopropyl dimethylamine	skin	Guinea pig	Sensitising
N-(3-(trimethoxysilyl)propyl) ethylenediamine	skin	Guinea pig	Sensitising
trimethylhexane-1,6-diamine	skin	Guinea pig	Sensitising

**Conclusion/Summary**

- Skin** : May cause an allergic skin reaction.  
**Respiratory** : Based on available data, the classification criteria are not met.

**Mutagenicity**

Product/ingredient name	Test	Experiment	Result
Isopropyl alcohol 3-aminopropyl dimethylamine	OECD 471	Subject: Bacteria	Negative
	OECD 476	Experiment: In vitro	Negative
	OECD 471	Subject: Mammalian-Animal Subject: Bacteria	Negative

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Carcinogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
benzyl alcohol	Negative - Oral - TD	Rat	-	103 weeks; 5 days per week

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
2,4,6-tris(dimethylaminomethyl)phenol	-	-	Negative	Rat	Oral	28 days

**SECTION 11: Toxicological information**

**Conclusion/Summary** : May damage fertility.  
Suspected of damaging the unborn child.

**Teratogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
benzyl alcohol	Negative - Route of exposure unreported	Mouse - Female	550 mg/kg	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Negative - Route of exposure unreported	Rat - Female	>250 mg/kg	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Negative - Route of exposure unreported	Rat - Female	>250 mg/kg	-

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

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

Product/ingredient name	Category	Route of exposure	Target organs
bisphenol A	Category 3	-	Respiratory tract irritation
Isopropyl alcohol	Category 3	-	Narcotic effects
1-methoxy-2-propanol	Category 3	-	Narcotic effects

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

Not available.

**Aspiration hazard**

Not available.

**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**

Product/ingredient name	Result	Species	Dose	Exposure
3-aminopropyldimethylamine	Chronic NOAEL Oral	Rat	50 mg/kg	28 days; 7 days per week

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**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.

**Teratogenicity** : Suspected of damaging the unborn child.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : May damage fertility.

**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	Result	Species	Exposure	
benzyl alcohol	Acute EC50 770 mg/l	Algae	72 hours	
	Acute LC50 646 mg/l	Fish - Leuciscus idus	48 hours	
	Acute LC50 460000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours	
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Acute NOEC 310 mg/l	Algae	72 hours	
	Acute EC50 37 mg/l	Algae - Desmodesmus subspicatus	72 hours	
	Acute EC50 23 mg/l	Daphnia spec.	48 hours	
m-fenilenbis(methylamine)	Acute LC50 110 mg/l	Fish	96 hours	
	Chronic NOEC 3 mg/l	Daphnia spec.	21 days	
	Acute EC50 10 to 100 mg/l	Daphnia spec.	48 hours	
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Acute LC50 >100 mg/l	Fish	96 hours	
	Acute EC50 37 mg/l	Algae - Desmodesmus subspicatus	72 hours	
	Acute EC50 23 mg/l	Daphnia spec.	48 hours	
m-fenilenbis(methylamine)	Acute LC50 110 mg/l	Fish	96 hours	
	Chronic NOEC 1,5 mg/l	Algae - Desmodesmus subspicatus	72 hours	
	Chronic NOEC 3 mg/l	Daphnia spec.	21 days	
bisphenol A	Acute EC50 10 to 100 mg/l	Daphnia spec.	48 hours	
	Acute LC50 >100 mg/l	Fish	96 hours	
	Acute EC50 1000 µg/l Marine water	Algae - Skeletonema costatum	96 hours	
	Acute EC50 2700 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours	
	Acute EC50 7,75 mg/l Fresh water	Daphnia spec. - Daphnia magna - Neonate	48 hours	
	Acute LC50 1,34 mg/l Marine water	Crustaceans - Americamysis bahia - Larvae	48 hours	
	Acute LC50 5,4 to 4600 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 17,93 ppm Fresh water	Fish - Xiphophorus helleri - Adult	96 hours	
	Chronic NOEC 0,8 mg/l Fresh water	Daphnia spec. - Daphnia magna - Neonate	21 days	
	Chronic NOEC 0,2 to 20 ppb Fresh water	Fish - Xiphophorus helleri - Juvenile (Fledgling, Hatchling, Weanling)	60 days	
	salicylic acid	Acute EC50 213,9 mg/l	Crustaceans - Photobacterium Phosphoreum	24 hours
		Acute EC50 105 mg/l	Daphnia spec.	48 hours
		Acute LC50 90 mg/l	Fish	48 hours
Isopropyl alcohol	Chronic NOEC 5,6 mg/l Fresh water	Daphnia spec. - Daphnia magna - Neonate	21 days	
	Acute LC50 1400 to 1950 mg/l Marine water	Crustaceans - Crangon crangon	48 hours	
	Acute LC50 9640 to 10000 mg/l Fresh water	Fish - Pimephales promelas	96 hours	
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hours	
	Acute LC50 1400 mg/l	Fish - Gambusia affinis	96 hours	
	Acute EC50 84 mg/l	Algae	72 hours	
	Acute LC50 175 mg/l	Fish - Cyprinus carpio	96 hours	



## SECTION 12: Ecological information

3,6-diazaoctanethylenediamin	Acute LC50 180 to 240 mg/l Acute EC50 3700 µg/l Fresh water	Fish Algae - Pseudokirchneriella subcapitata	96 hours 96 hours
3-aminopropyldimethylamine	Acute LC50 33900 µg/l Fresh water Acute EC50 59,5 mg/l Acute IC50 53,5 mg/l	Daphnia spec. - Daphnia magna Daphnia spec. - Daphnia magna Algae	48 hours 48 hours 72 hours
1-methoxy-2-propanol	Acute LC50 122 mg/l Acute EC50 >1000 mg/l	Fish Algae - Selenastrum capricomutum	96 hours 7 days
N-(3-(trimethoxysilyl)propyl) ethylenediamine	Acute EC50 23300 mg/l Acute LC50 6812 mg/l Fresh water Acute EC50 126 mg/l	Daphnia spec. Fish Algae - Scenedesmus subspicatus	96 hours 96 hours 72 hours
	Acute EC50 81 mg/l Acute LC50 597 mg/l Acute NOEC 20 mg/l	Daphnia spec. Fish Algae - Scenedesmus subspicatus	48 hours 96 hours 72 hours

**Conclusion/Summary** : Toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
benzyl alcohol	OECD 301A	96 % - Readily - 21 days	-	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine	OECD 303A	42 % - Not readily - 3 days	-	-
3-aminomethyl-3,5,5-trimethylcyclohexylamine	OECD 301A OECD 303A	8 % - Not readily - 28 days 42 % - Not readily - 3 days	- -	- -
salicylic acid	OECD 301A	8 % - Not readily - 28 days	-	-
Isopropyl alcohol	OECD 301C OECD 301E	88,1 % - Readily - 14 days 95 % - 19 days	0,95 gO <sub>2</sub> /g DOC -	- -
	-	>70 % - Readily - 10 days	7 mg/l	-
	-	53 % - Readily - 5 days	-	-
2,4,6-tris(dimethylaminomethyl)phenol	OECD 301D	4 % - Not readily - 28 days	-	-
3-aminopropyldimethylamine	-	>60 % - Readily - 28 days	-	-
1-methoxy-2-propanol	OECD 301E -	96 % - Readily - 28 days >90 % - Readily - 5 days	- 1,95 gO <sub>2</sub> /g ThOD	- -
N-(3-(trimethoxysilyl)propyl) ethylenediamine	OECD 301C EU EC 92/69	88 to 92 % - Readily - 28 days 50 % - 5 days	- -	- -

**Conclusion/Summary** : This product has not been tested for biodegradation.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
benzyl alcohol	-	-	Readily
3-aminomethyl-3,5,5-trimethylcyclohexylamine	-	-	Not readily
3-aminomethyl-3,5,5-trimethylcyclohexylamine	-	-	Not readily
salicylic acid	-	-	Readily
Isopropyl alcohol	-	-	Readily
2,4,6-tris(dimethylaminomethyl)phenol	-	-	Not readily
3-aminopropyldimethylamine	-	-	Readily
1-methoxy-2-propanol	Fresh water <28 days, 5 to 25°C	-	Readily
N-(3-(trimethoxysilyl)propyl) ethylenediamine	-	-	Inherent

**SECTION 12: Ecological information****12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
benzyl alcohol	0,87	-	low
3-aminomethyl-	0,99	-	low
3,5,5-trimethylcyclohexylamine			
m-fenilenbis(methylamine)	0,18	2,69	low
3-aminomethyl-	0,99	-	low
3,5,5-trimethylcyclohexylamine			
m-fenilenbis(methylamine)	0,18	2,69	low
bisphenol A	3,4	20 to 67	low
salicylic acid	2.21 to 2.26	-	low
Isopropyl alcohol	0,05	-	low
2,4,6-tris	0,219	-	low
(dimethylaminomethyl)			
phenol			
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	low
3-aminopropyldimethylamine	-0,352	-	low
1-methoxy-2-propanol	<1	<100	low

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

**12.5 Results of PBT and vPvB assessment**

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

**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.

**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.

**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.

**European waste catalogue (EWC)**

The European Waste Catalogue classification of this product, when disposed of as waste, is:









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

**Packaging**

## SECTION 13: Disposal considerations

- 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.
- 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. 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>	UN3066	UN3066	UN3066	UN3066
<b>14.2 UN proper shipping name</b>	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL, [Fatty acids, C18-unsatd., dimers, oligomeric reaction products with triethylenetetramine]	PAINT RELATED MATERIAL
<b>14.3 Transport hazard class(es)</b>	8  	8  	8  	8  
<b>14.4 Packing group</b>	II	II	II	II
<b>14.5 Environmental hazards</b>	Yes.	Yes.	Yes.	Yes.
<b>Additional information</b>	<b>Limited quantity:</b> LQ22  <b>Remarks:</b> (≤ 1L: ) Limited Quantity - ADR/IMDG 3.4  ADR Tunnel code: (E)	-	<b>Emergency schedules (EmS):</b> F-A + S-B  <b>Marine pollutant (P)</b>  <b>Remarks:</b> (≤ 1L: ) Limited Quantity - ADR/IMDG 3.4.6	<b>Passenger and Cargo Aircraft</b> Quantity limitation: 1L Packaging instructions: 851 <b>Cargo Aircraft Only</b> Quantity limitation: 30 L Packaging instructions: 855 <b>Limited Quantities - Passenger Aircraft</b> Quantity limitation: 0.5L Packaging instructions: Y 840

- 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.

**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**

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
4,4'-isopropylidenediphenol; bisphenol A; BPA	Toxic to reproduction	Recommended	ED/01/2018	1/10/2019

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Restricted to professional users.

**Other EU regulations**

**VOC** : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

**VOC for Ready-for-Use Mixture** : 2004/42/EC - IIA/j: 500g/l (2010). <= 198g/l VOC.

**Europe inventory** : All components are listed or exempted.

**Black List Chemicals (76/464/EEC)** :

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
bisphenol A	-	-	-	-
salicylic acid	-	-	-	-

**Ozone depleting substances (1005/2009/EU)**

Not listed.

**Prior Informed Consent (PIC) (649/2012/EU)**

Not listed.

**Seveso Directive**

This product is controlled under the Seveso Directive.

**Danger criteria****Category**

E2

**National regulations**

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.

**References** : EH40/2005 Workplace exposure limits  
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2016/918

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

Not listed.

**SECTION 15: Regulatory information****Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**CN code** : 3208 90 91 00**International lists****National inventory**

<b>Australia</b>	: At least one component is not listed.
<b>Canada</b>	: At least one component is not listed.
<b>China</b>	: All components are listed or exempted.
<b>Japan</b>	: <b>Japan inventory (CSCL)</b> : At least one component is not listed. <b>Japan inventory (ISHL)</b> : Not determined.
<b>Malaysia</b>	: Not determined
<b>New Zealand</b>	: All components are listed or exempted.
<b>Philippines</b>	: At least one component is not listed.
<b>Republic of Korea</b>	: At least one component is not listed.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Thailand</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out.**SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms**

: ATE = Acute Toxicity Estimate
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
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative
Not available.

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

<b>Classification</b>	<b>Justification</b>
Acute Tox. 4, H302	Expert judgment
Skin Corr. 1B, H314	Expert judgment
Eye Dam. 1, H318	Expert judgment
Skin Sens. 1, H317	Expert judgment
Repr. 1B, H360Fd	Expert judgment
Aquatic Chronic 2, H411	Expert judgment

**SECTION 16: Other information****Full text of H-phrases referred to in sections 2 and 3**

<b>Full text of abbreviated H statements</b>	:	H225 H226 H302 H311 H312 H314 H315 H317 H318 H319 H332 H335 H336 H360F H360Fd  H361d H400 H410 H411 H412	Highly flammable liquid and vapour. Flammable liquid and vapour. Harmful if swallowed. Toxic in contact with skin. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May damage fertility. May damage fertility. Suspected of damaging the unborn child. Suspected of damaging the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
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<b>Full text of classifications [CLP/GHS]</b>	:	Acute Tox. 3 Acute Tox. 4 Aquatic Acute 1  Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3  Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 1B Repr. 2 Skin Corr. 1A Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1A Skin Sens. 1B STOT SE 3	ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Category 1B REPRODUCTIVE TOXICITY - Category 2 SKIN CORROSION/IRRITATION - Category 1A SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A SKIN SENSITISATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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**Notice to reader**

## SECTION 16: Other information

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. 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.