



# SAFETY DATA SHEET

Line Marking Paint

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

### 1.1 Product identifier

**Product name** : Line Marking Paint  
**Product description** : Aerosol. Paint.  
**Product type** : Aerosol.  
**UFI** : TPF-P-QEFE-NR-JU-RTHD

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

Identified uses	
Industrial uses Consumer uses Professional uses	
Uses advised against	Reason
None identified.	-

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

Blackfriar Paints Ltd  
 Portobello Industrial Estate  
 Birtley  
 County Durham  
 United Kingdom  
 DH3 2RE  
 Telephone no.: +44 (0) 191 4106611  
 Fax no.: +44 (0) 191 4920125

**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]

Aerosol 1, H222, H229  
 Skin Irrit. 2, H315  
 Eye Irrit. 2, H319  
 STOT SE 3, H336  
 STOT RE 2, H373

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.

## SECTION 2: Hazards identification

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** :

Danger

**Hazard statements** :

Extremely flammable aerosol.  
 Pressurised container: may burst if heated.  
 Causes serious eye irritation.  
 Causes skin irritation.  
 May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

**General** :

P103 - Read label before use.  
 P102 - Keep out of reach of children.  
 P101 - If medical advice is needed, have product container or label at hand.

**Prevention** :

P280 - Wear protective gloves and eye protection: neoprene gloves and safety glasses with side-shields.  
 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.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P260 - Do not breathe vapour or spray.  
 P251 - Do not pierce or burn, even after use.

**Response** :

P302 + P352 - IF ON SKIN: Wash with plenty of water.

**Storage** :

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**Disposal** :

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

**Hazardous ingredients** :

acetone; xylene and butanone

**Supplemental label elements** :

Contains methyl methacrylate. May produce an allergic reaction.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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

Not applicable.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** :

Not applicable.

**Tactile warning of danger** :

Yes, applicable.

### 2.3 Other hazards

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

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

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

None known.

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

: Mixture

Product/ingredient name	Identifiers	%	Classification	
			Regulation (EC) No. 1272/2008 [CLP]	Type
Petroleum gases, liquefied	REACH #: Annex V EC: 270-704-2 CAS: 68476-85-7 Index: 649-202-00-6	≥25 - ≤50	Flam. Gas 1, H220 Press. Gas (Liq.), H280	[2]
acetone	REACH #: 01-2119471330-49 EC: 200-662-2 CAS: 67-64-1 Index: 606-001-00-8	≥10 - ≤25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304 Carc. 2, H351	[1] [2]
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≥10 - ≤25		[1] [2]
2-butoxyethanol	REACH #: 01-2119475108-36 EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	≤10	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1] [2]
butanone	REACH #: 01-2119457290-43 EC: 201-159-0 CAS: 78-93-3 Index: 606-002-00-3	≤10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
4-methylpentan-2-one	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4	≤3	Flam. Liq. 2, H225 Acute Tox. 3, H331 Eye Irrit. 2, H319 STOT SE 3, H335 EUH066	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304	[1] [2]
methyl methacrylate	REACH #: 01-2119452498-28 EC: 201-297-1 CAS: 80-62-6 Index: 607-035-00-6	≤1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
			<b>See Section 16 for the full text of the H statements declared above.</b>	

**Notes**

The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

## SECTION 3: Composition/information on ingredients

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

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** : 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.

Contains methyl methacrylate. May produce an allergic reaction.

### Over-exposure signs/symptoms

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

## SECTION 4: First aid measures

- Inhalation** : Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing  
 nausea or vomiting  
 headache  
 drowsiness/fatigue  
 dizziness/vertigo  
 unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness
- Ingestion** : No specific data.

### 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** : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 metal oxide/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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- 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** : Pressurised container: may burst if heated. Bursting aerosol containers may be propelled from a fire at high speed. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight.

## 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. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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).

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

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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 spilt 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.

## SECTION 7: Handling and storage

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.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

### 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. Do not store above the following temperature: 35°C (95°F). 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
P3a	150 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
Petroleum gases, liquefied	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018).</b> STEL: 2180 mg/m <sup>3</sup> 15 minutes. STEL: 1250 ppm 15 minutes. TWA: 1750 mg/m <sup>3</sup> 8 hours. TWA: 1000 ppm 8 hours.
acetone	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018).</b> STEL: 3620 mg/m <sup>3</sup> 15 minutes. STEL: 1500 ppm 15 minutes. TWA: 500 ppm 8 hours. TWA: 1210 mg/m <sup>3</sup> 8 hours.
xylene	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b> STEL: 441 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. TWA: 220 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
titanium dioxide	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018).</b>

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

2-butoxyethanol	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable dust TWA: 4 mg/m <sup>3</sup> 8 hours. Form: respirable dust <b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b> STEL: 50 ppm 15 minutes. TWA: 25 ppm 8 hours.
butanone	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b> STEL: 899 mg/m <sup>3</sup> 15 minutes. STEL: 300 ppm 15 minutes. TWA: 600 mg/m <sup>3</sup> 8 hours. TWA: 200 ppm 8 hours.
4-methylpentan-2-one	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b> STEL: 416 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. TWA: 208 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
ethylbenzene	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b> STEL: 552 mg/m <sup>3</sup> 15 minutes. STEL: 125 ppm 15 minutes. TWA: 441 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.
methyl methacrylate	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018).</b> STEL: 416 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. TWA: 208 mg/m <sup>3</sup> 8 hours. TWA: 50 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
acetone	DNEL	Long term Oral	62 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	62 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	186 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	200 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	1210 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	2420 mg/m <sup>3</sup>	Workers	Local
xylene	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	221 mg/m <sup>3</sup>	Workers	Local

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

titanium dioxide	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	65,3 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	10 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	700 mg/kg bw/day	General population [Consumers]	Systemic
2-butoxyethanol	DNEL	Short term Inhalation	426 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	38 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	49 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	135 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Short term Inhalation	50 mg/m <sup>3</sup>	General population [Consumers]	Local
	DNEL	Long term Dermal	75 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Inhalation	20 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Long term Oral	3,2 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Short term Dermal	44,5 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Oral	13,4 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	123 mg/m <sup>3</sup>	Workers	Local
	ethylbenzene	DNEL	Long term Oral	3,2 mg/kg bw/day	Workers
DNEL		Long term Inhalation	77 mg/m <sup>3</sup>	Workers	Systemic
DNEL		Long term Dermal	180 mg/kg bw/day	Workers	Systemic
DNEL		Long term Inhalation	15 mg/m <sup>3</sup>	General population [Consumers]	Systemic
DNEL		Long term Oral	1,6 mg/kg bw/day	General population [Consumers]	Systemic
methyl methacrylate		DNEL	Long term Inhalation	210 mg/m <sup>3</sup>	Workers
	DNEL	Long term Inhalation	210 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	1,5 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Dermal	13,67 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	1,5 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Inhalation	105 mg/m <sup>3</sup>	General population [Consumers]	Local

## SECTION 8: Exposure controls/personal protection

	DNEL	Long term Inhalation	74,3 mg/m <sup>3</sup>	General population [Consumers]	Systemic
	DNEL	Long term Dermal	1,5 mg/cm <sup>2</sup>	General population [Consumers]	Local
	DNEL	Long term Dermal	8,2 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Short term Dermal	1,5 mg/cm <sup>2</sup>	General population [Consumers]	Local

### PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
xylene	Fresh water	0,327 mg/l	Sensitivity Distribution
	Marine water	0,327 mg/l	Sensitivity Distribution
	Fresh water sediment	12,46 mg/kg	Equilibrium Partitioning
	Marine water sediment	12,46 mg/kg	Equilibrium Partitioning
	Soil	2,31 mg/kg	Equilibrium Partitioning
	Sewage Treatment Plant	6,58 mg/l	-
titanium dioxide	Fresh water	0,127 mg/l	-
	Marine	>1 mg/l	-
	Sewage Treatment Plant	>100 mg/l	-
	Fresh water sediment	>1000 mg/kg	-
	Marine water sediment	>100 mg/kg	-
	Soil	100 mg/kg	-
2-butoxyethanol	Fresh water	8,8 mg/l	-
	Marine	0,88 mg/l	-
	Sewage Treatment Plant	463 mg/l	-
	Fresh water sediment	34,6 mg/kg	-
	Marine water sediment	3,46 mg/kg	-
	Secondary Poisoning	2,8 mg/kg	-
ethylbenzene	Fresh water	0,1 mg/l	-
	Marine water	0,01 mg/l	-
	Fresh water sediment	13,7 mg/kg	-
	Marine water sediment	1,37 mg/kg	-
	Soil	2,68 mg/kg	-
	Sewage Treatment Plant	9,6 mg/l	-
methyl methacrylate	Fresh water	0,94 mg/l	-
	Marine	0,094 mg/l	-
	Sediment	5,74 mg/l	-
	Secondary Poisoning	1,47 mg/kg	-

### 8.2 Exposure controls

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

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 8: Exposure controls/personal protection

**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. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. 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.

**Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: > 8 hours (breakthrough time): neoprene (0.65mm)

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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. Recommended: disposable overall (EN 1149-1).

**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 (Type A) and particulate filter (as filter combination A-P2). (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. [Aerosol.]

**Colour** : Various

**Odour** : Solvent-like [Slight]

**Odour threshold** : Not available.

**pH** : Not available.

**Melting point/freezing point** : Not available.

**SECTION 9: Physical and chemical properties**

<b>Initial boiling point and boiling range</b>	: Not available.
<b>Flash point</b>	: Closed cup: -70°C
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. Slightly flammable in the presence of the following materials or conditions: shocks and mechanical impacts. In use, may form flammable/explosive vapour-air mixture. Vapour may travel a considerable distance to source of ignition and flash back.
<b>Upper/lower flammability or explosive limits</b>	: Not available.
<b>Vapour pressure</b>	: 400 kPa [room temperature]
<b>Vapour density</b>	: Not available.
<b>Relative density</b>	: 0,82 to 0,88
<b>Solubility(ies)</b>	: Not available.
<b>Partition coefficient: n-octanol/ water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: Not available.
<b>Explosive properties</b>	: Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Container explosion may occur under fire conditions or when heated. Bursting aerosol containers may be propelled from a fire at high speed.
<b>Oxidising properties</b>	: Not available.

**9.2 Other information**

<b>Type of aerosol</b>	: Spray
<b>Heat of combustion</b>	: 15,52 kJ/g

No additional information.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: Stable under recommended storage and handling conditions (see Section 7).
<b>10.3 Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: When exposed to high temperatures may produce hazardous decomposition products.
<b>10.5 Incompatible materials</b>	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
<b>10.6 Hazardous decomposition products</b>	: 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
acetone	LD50 Dermal	Guinea pig	>7400 mg/kg	-
	LD50 Dermal	Rabbit	>7400 mg/kg	-
	LD50 Oral	Rat	5800 mg/kg	-
xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LC50 Inhalation Gas.	Rat	6670 ppm	4 hours
	LC50 Inhalation Vapour	Rat	29091 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	4,2 g/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
titanium dioxide	TDLo Dermal	Rabbit	4300 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	>6,82 mg/l	4 hours
	LD50 Dermal	Rabbit	>10 g/kg	-
2-butoxyethanol	LD50 Oral	Rat	>24 g/kg	-
	LC50 Inhalation Vapour	Rat	2,2 mg/l	4 hours
butanone	LC50 Inhalation Vapour	Rat	10 to 20 mg/l	4 hours
	LC50 Inhalation Vapour	Rat	3,9 mg/l	4 hours
	LD50 Dermal	Rabbit	99 mg/kg	-
	LD50 Dermal	Rabbit	667 to 1000 mg/kg	-
	LD50 Oral	Guinea pig	1414 mg/kg	-
	LD50 Oral	Guinea pig	1400 mg/kg	-
	LD50 Oral	Rat	1300 mg/kg	-
	LD50 Oral	Rat	1746 mg/kg	-
4-methylpentan-2-one	LD50 Oral	Rat	1400 mg/kg	-
	LC50 Inhalation Vapour	Mouse	23500 mg/m <sup>3</sup>	8 hours
	LC50 Inhalation Vapour	Rat	20 mg/l	4 hours
	LD50 Dermal	Rabbit	6480 mg/kg	-
ethylbenzene	LD50 Oral	Rat	2737 mg/kg	-
	LC50 Inhalation Vapour	Mouse	20500 mg/m <sup>3</sup>	2 hours
	LC50 Inhalation Vapour	Rat	8200 mg/m <sup>3</sup>	4 hours
methyl methacrylate	LD50 Oral	Rat	2080 mg/kg	-
	LC50 Inhalation Vapour	Rat	50000 mg/m <sup>3</sup>	2 hours
	LC50 Inhalation Vapour	Rat	17 mg/l	4 hours
	LCLo Inhalation Vapour	Rat	4000 ppm	4 hours
methyl methacrylate	LD50 Oral	Rat	3500 mg/kg	-
	LC50 Inhalation Vapour	Mouse	18500 mg/m <sup>3</sup>	2 hours
	LC50 Inhalation Vapour	Rat	78000 mg/m <sup>3</sup>	4 hours
	LCLo Inhalation Vapour	Guinea pig	19000 mg/m <sup>3</sup>	5 hours
	LCLo Inhalation Vapour	Rabbit	17500 mg/m <sup>3</sup>	4 hours
methyl methacrylate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	7872 mg/kg	-

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

**Acute toxicity estimates**

Not available.

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
acetone	Eyes - Severe irritant	Rabbit	-	20 mg	-
xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-

## SECTION 11: Toxicological information

2-butoxyethanol	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Eyes - Moderate irritant	Rabbit	-	-	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
butanone	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 14 milligrams	-
4-methylpentan-2-one	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Irritant	Rabbit	-	-	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
ethylbenzene	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-

### Conclusion/Summary

- Skin** : Causes skin irritation.
- Eyes** : Causes serious eye irritation.
- Respiratory** : May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure if inhaled.

### Sensitisation

#### Conclusion/Summary

- Skin** : Based on available data, the classification criteria are not met.
- Respiratory** : Based on available data, the classification criteria are not met.

### Mutagenicity

#### Conclusion/Summary

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

### Carcinogenicity

#### Conclusion/Summary

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

### Reproductive toxicity

#### Conclusion/Summary

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

### Teratogenicity

#### 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
acetone	Category 3	-	Narcotic effects
xylene	Category 3	-	Respiratory tract irritation
butanone	Category 3	-	Narcotic effects
4-methylpentan-2-one	Category 3	-	Respiratory tract irritation
methyl methacrylate	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 2	oral, inhalation	-
ethylbenzene	Category 2	-	hearing organs

Line Marking Paint

## SECTION 11: Toxicological information

### Aspiration hazard

Product/ingredient name	Result
xylene ethylbenzene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

### 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

Not available.

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

**General** : May cause damage to organs through prolonged or repeated exposure.

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

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

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

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

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

**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 not classified as hazardous to the environment.

Product/ingredient name	Result	Species	Exposure
acetone	Acute LC50 8098000 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 7280000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 0,5 ml/L Marine water	Algae - Karenia brevis	96 hours
	Chronic NOEC 0,016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 1 g/L Fresh water	Daphnia spec. - Daphnia magna	21 days
	Chronic NOEC 5 µg/l Marine water	Fish - Gasterosteus aculeatus - Larvae	42 days
	xylene	Acute EC50 1,3 mg/l Fresh water	Algae
Acute LC50 1 mg/l Fresh water		Daphnia spec.	24 hours
Acute NOEC 0,44 mg/l		Algae	72 hours
Chronic NOEC 0,96 mg/l Fresh water		Daphnia spec.	21 days
titanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6,5 mg/l Fresh water	Daphnia spec. - Daphnia pulex - Neonate	48 hours
	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
2-butoxyethanol	Acute EC50 1700 to 1940 mg/l	Daphnia spec. - Daphnia magna	24 hours
	Acute EC50 >1000 mg/l Fresh water	Daphnia spec. - Daphnia magna	48 hours

**SECTION 12: Ecological information**

butanone	Acute LC50 1000 mg/l Marine water	Crustaceans - Chaetogammarus marinus - Young	48 hours
	Acute LC50 1000 to 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1490000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
	Acute EC50 >500000 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 520000 µg/l Fresh water	Daphnia spec. - Daphnia magna	48 hours
	Acute LC50 5640 mg/l	Fish	24 hours
4-methylpentan-2-one	Acute LC50 3320 to 3220000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 400 ppm Marine water	Fish - Cyprinodon variegatus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Acute EC50 2000 mg/l	Algae - Scenedesmus subspicatus	48 hours
	Acute LC50 557 to 537000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
ethylbenzene	Acute LC50 460 mg/l	Fish	24 hours
	Chronic NOEC mg/l Fresh water	Daphnia spec. - Daphnia magna	21 days
	Chronic NOEC 168 mg/l Fresh water	Fish - Pimephales promelas - Embryo	33 days
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 9,46 to 6530 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 4,4 to 2970 µg/l Fresh water	Daphnia spec. - Daphnia magna - Neonate	48 hours
	Acute LC50 13,7 to 8780 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute LC50 5200 µg/l Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 11 to 9090 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
methyl methacrylate	Chronic NOEC 1000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 170 mg/l	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 69 mg/l	Daphnia spec.	48 hours
	Acute LC50 341,8 to 191000 µg/l Fresh water	Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Acute LC50 130000 µg/l Fresh water	Fish - Pimephales promelas - Adult	96 hours
	Acute LC50 190,7 to 159100 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 37 mg/l	Daphnia spec.	21 days
Chronic NOEC 9,4 mg/l	Fish	35 days	

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

**12.2 Persistence and degradability**

**SECTION 12: Ecological information**

Product/ingredient name	Test	Result	Dose	Inoculum
xylene	-	90 % - Readily - 5 days	-	-
	OECD 301F	87,8 % - 28 days	-	-
2-butoxyethanol	OECD 301B	90,4 % - Readily - 28 days	-	-
	OECD 301E	>70 % - Readily - 28 days	-	-
	-	32,27 % - Inherent - 5 days	-	-
butanone	OECD 301D	98 % - Readily - 28 days	-	-
methyl methacrylate	OECD 302B	>95 % - Readily - 28 days	-	-
	OECD 301C	94 % - Readily - 14 days	-	-

**Conclusion/Summary** : This product has not been tested for biodegradation. Based on available data, the classification criteria are not met.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
acetone	-	-	Readily
xylene	-	-	Readily
titanium dioxide	-	-	Not readily
2-butoxyethanol	-	-	Readily
butanone	-	-	Readily
ethylbenzene	-	-	Readily
methyl methacrylate	-	-	Readily

**12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
acetone	-0,23	-	low
xylene	3,12	8.1 to 25.9	low
2-butoxyethanol	0,81	3,2	low
butanone	0,3	-	low
4-methylpentan-2-one	1,9	-	low
ethylbenzene	3,6	79,43	low
methyl methacrylate	1,38	-	low

**12.4 Mobility in soil**

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

**Mobility** : Volatile. This product is likely to volatilise rapidly into the air because of its high vapour pressure.

**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.

## SECTION 13: Disposal considerations

**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
20 01 27*	paint, inks, adhesives and resins containing hazardous substances

### Packaging

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

**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>	UN1950	UN1950	UN1950	UN1950
<b>14.2 UN proper shipping name</b>	AEROSOLS, Flammable [Limited quantity]	AEROSOLS, Flammable [Limited quantity]	AEROSOLS, Flammable [Limited quantity]	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>	No.	No.	No.	No.
<b>Additional information</b>	<b>Limited quantity:</b> LQ2  <b>Remarks:</b> (≤ 1L: ) Limited Quantity - ADR/IMDG 3.4  ADR Tunnel code: (D)	-	<b>Emergency schedules (EmS):</b> F-D + S-U  <b>Remarks:</b> (≤ 1L: ) Limited Quantity - ADR/IMDG 3.4	<b>Passenger and Cargo Aircraft</b> Quantity limitation: 75 kg Packaging instructions: 203 <b>Cargo Aircraft Only</b> Quantity limitation: 150 kg Packaging instructions: 203 <b>Limited Quantities - Passenger Aircraft</b>

Line Marking Paint

## SECTION 14: Transport information

				Quantity limitation: 30 kg Packaging instructions: Y 203
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**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**

None of the components are listed.

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

**Other EU regulations**

**VOC for Ready-for-Use Mixture** : Not applicable.

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

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

**Industrial emissions (integrated pollution prevention and control) - Air** : Listed

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
titanium dioxide	Not supported	Not supported	Not supported	Not supported

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

Not listed.

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

Not listed.

**Aerosol dispensers** :

## SECTION 15: Regulatory information



Extremely flammable

### Seveso Directive

This product is controlled under the Seveso Directive.

### Danger criteria

<b>Category</b>
P3a

### 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.

Product/ingredient name	List name	Name on list	Classification	Notes
Petroleum gases, liquefied	UK Occupational Exposure Limits EH40 - WEL	liquefied petroleum gas; LPG	Carc.	-

**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.

#### 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 10 90

### International lists

#### National inventory

- Australia** : Not determined.
- Canada** : Not determined.
- China** : Not determined.
- Japan** : **Japan inventory (ENCS)**: At least one component is not listed.  
**Japan inventory (ISHL)**: At least one component is not listed.
- Malaysia** : Not determined
- New Zealand** : At least one component is not listed.
- Philippines** : Not determined.
- Republic of Korea** : At least one component is not listed.
- Taiwan** : Not determined.
- Turkey** : Not determined.

Line Marking Paint

## SECTION 15: Regulatory information

**United States** : Not determined.  
**Thailand** : Not determined.  
**Viet Nam** : 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

**Contains TiO2** : Yes

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

Classification	Justification
Aerosol 1, H222, H229	Expert judgment
Skin Irrit. 2, H315	Expert judgment
Eye Irrit. 2, H319	Expert judgment
STOT SE 3, H336	Expert judgment
STOT RE 2, H373	Expert judgment

**Full text of H-phrases referred to in sections 2 and 3**

Full text of abbreviated H statements	
H220	Extremely flammable gas.
H222, H229	Extremely flammable aerosol. Pressurised container: may burst if heated.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH066	Repeated exposure may cause skin dryness or cracking.

Line Marking Paint

**SECTION 16: Other information**

<b>Full text of classifications [CLP/GHS]</b>	Acute Tox. 3 Acute Tox. 4 Aerosol 1 Asp. Tox. 1 Carc. 2 Eye Irrit. 2 Flam. Gas 1 Flam. Liq. 2 Flam. Liq. 3 Press. Gas (Liq.) Skin Irrit. 2 Skin Sens. 1 STOT RE 2  STOT SE 3	ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 AEROSOLS - Category 1 ASPIRATION HAZARD - Category 1 CARCINOGENICITY - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE GASES - Category 1 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 GASES UNDER PRESSURE - Liquefied gas SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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**Date of printing** : 9/09/2020**Date of issue/ Date of revision** : 9/09/2020**Date of previous issue** : 20/08/2018**Version** : 4**Notice to reader**

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.