



## SAFETY DATA SHEET

### 411/G750 - RAPIDRY GLOSS - GOLDEN YELLOW AND JCB YELLOW

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

##### 1.1. Product identifier

**Product name** 411/G750 - RAPIDRY GLOSS - GOLDEN YELLOW AND JCB YELLOW

**Product number** 411/G750/776 & 858

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

**Identified uses** Paint.

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

**Supplier** TEAL & MACKRILL LIMITED  
LOCKWOOD STREET  
HULL  
HU2 0HN

+44(0)1482 320194(T)

+44(0)1482 219266(F)

info@teamac.co.uk

**Contact person** Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

##### 1.4. Emergency telephone number

**SDS No.** 10899

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 1B - H350 Repr. 1A - H360Df STOT SE 3 - H335 STOT RE 2 - H373

**Environmental hazards** Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)** Carc. Cat. 2;R45,Repr. Cat. 1;R61. Xn;R20/21. Repr. Cat. 3;R62. Xi;R36/37/38. N;R51/53. R10,R33.

##### 2.2. Label elements

###### Pictogram



**Signal word**

Danger

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<b>Hazard statements</b>	<p>H226 Flammable liquid and vapour.  H312 Harmful in contact with skin.  H315 Causes skin irritation.  H319 Causes serious eye irritation.  H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  H317 May cause an allergic skin reaction.  H350 May cause cancer.  H360Df May damage the unborn child. Suspected of damaging fertility.  H335 May cause respiratory irritation.  H373 May cause damage to organs through prolonged or repeated exposure.  H411 Toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P101 If medical advice is needed, have product container or label at hand.  P102 Keep out of reach of children.  P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  P261 Avoid breathing vapour/ spray.  P271 Use only outdoors or in a well-ventilated area.  P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P403+P235 Store in a well-ventilated place. Keep cool.  P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	Xylene isomer mixture (self classification), LEAD CHROMATE, NEODECANOATE ACID, COBALT SALT, 2-BUTANONE OXIME

### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>Xylene isomer mixture (self classification)</b>	<b>30-60%</b>
CAS number: 1330-20-7	EC number: 215-535-7
	REACH registration number: 01-2119488216-32-0000
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	
Aquatic Chronic 3 - H412	

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<b>HYDROCARBONS, C9-C11, &lt;2% AROMATICS</b>		<b>5-10%</b>
CAS number: —	EC number: 919-857-5	REACH registration number: 01-2119463258-33-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R65. R10,R66,R67.	
<b>LEAD CHROMATE</b>		<b>5-10%</b>
CAS number: 7758-97-6	EC number: 231-846-0	
M factor (Chronic) = 1		
<b>Classification</b> Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 1B - H350 Repr. 1A - H360Df STOT RE 2 - H373 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 2;R45 Repr. Cat. 1;R61 Repr. Cat. 3;R62 R33 N;R50/53	
<b>Titanium Dioxide</b>		<b>&lt;1%</b>
CAS number: 13463-67-7	EC number: 236-675-5	REACH registration number: 01-2119489379-17-xxxx
<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> -	
<b>NEODECANOATE ACID, COBALT SALT</b>		<b>&lt;1%</b>
CAS number: 27253-31-2	EC number: 248-373-0	
<b>Classification</b> Acute Tox. 4 - H302 Skin Sens. 1 - H317 Repr. 2 - H361f Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Repr. Cat. 3;R62. N;R51/53. R43.	
<b>1,2,4-TRIMETHYLBENZENE</b>		<b>&lt;1%</b>
CAS number: 95-63-6	EC number: 202-436-9	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xn;R20 Xi;R36/37/38 N;R51/53	

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<b>ETHANOL</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-xxxx
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11	
<b>2-BUTANONE OXIME</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 96-29-7	EC number: 202-496-6	REACH registration number: 01-2119539477-28
<b>Classification</b> Acute Tox. 4 - H312 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41	
<b>ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 22464-99-9	EC number: 245-018-1	REACH registration number: 01-2119979088-21-0002
<b>Classification</b> Repr. 2 - H361d	<b>Classification (67/548/EEC or 1999/45/EC)</b> Repr. Cat. 3;R63.	
<b>XYLENE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-xxxx
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21,R65. Xi;R36/37/38. R10.	
<b>MESITYLENE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 108-67-8	EC number: 203-604-4	
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xi;R37 N;R51/53	

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<b>ETHYLBENZENE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 100-41-4	EC number: 202-849-4	
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xn;R20	
<b>METHANOL</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 67-56-1	EC number: 200-659-6	
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 T;R23/24/25,R39/23/24/25	
<b>CUMENE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 98-82-8	EC number: 202-704-5	
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xn;R65 Xi;R37 N;R51/53	
<b>TOLUENE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51-0026
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67	

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<b>PHTHALIC ANHYDRIDE</b>			<b>&lt;1%</b>
CAS number: 85-44-9	EC number: 201-607-5	REACH registration number: 01-2119457017-41-0000	
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302		Xn;R22 R42/43 Xi;R37/38,R41	
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
Resp. Sens. 1 - H334			
Skin Sens. 1 - H317			
STOT SE 3 - H335			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

**General information** Get medical attention promptly if symptoms occur after washing.

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

**Notes for the doctor** No specific recommendations.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Toxic gases or vapours. FLAMMABLE. Solvent vapours may form explosive mixtures with air.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Risk of re-ignition after fire has been extinguished. Cool containers exposed to flames with water until well after the fire is out. Avoid the spillage or runoff entering drains, sewers or watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not eat, drink or smoke when using the product. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Store away from the following materials: Oxidising materials. Alkalis. Acids.

**Storage class** Flammable liquid storage. The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 50 litres of liquids with a flashpoint below 32C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate, marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

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**Usage description** Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **Xylene isomer mixture (self classification)**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>

Sk

##### **Titanium Dioxide**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### **NEODECANOATE ACID, COBALT SALT**

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup>

##### **1,2,4-TRIMETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m<sup>3</sup>

##### **ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

##### **ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup>

##### **XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>

##### **MESITYLENE**

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m<sup>3</sup>

##### **ETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m<sup>3</sup>

##### **METHANOL**

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m<sup>3</sup>(Sk)

##### **CUMENE**

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 125 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 250 mg/m<sup>3</sup>(Sk)

##### **TOLUENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m<sup>3</sup>

Sk

##### **PHTHALIC ANHYDRIDE**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 12 mg/m<sup>3</sup>(Sen)

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.



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### Xylene isomer mixture (self classification) (CAS: 1330-20-7)

**DNEL** Consumer - Inhalation; Long term systemic effects: 65.3 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 1872 mg/kg/day  
 Consumer - Oral; Long term systemic effects: 12.5 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 221 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term : 442 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term : 260 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 3182 mg/kg/day

**PNEC** - Fresh water; 0.327 mg/l  
 - marine water; 0.327 mg/l  
 - Intermittent release; 0.327 mg/l  
 - STP; 6.58 mg/l  
 - Sediment (Freshwater); 12.46 mg/kg  
 - Sediment (Marinewater); 12.46 mg/kg  
 - Soil; 2.31 mg/kg

### HYDROCARBONS, C9-C11, <2% AROMATICS

**DNEL** Consumer - Oral; Long term systemic effects: 300 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 1500 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 300 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 300 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 900 mg/m<sup>3</sup>

**PNEC** No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

### Titanium Dioxide (CAS: 13463-67-7)

**DNEL** Industry - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>  
 Consumer - Oral; Long term systemic effects: 700 mg/kg/day

**PNEC** - Fresh water; 0.184 mg/l  
 - marine water; 0.0184 mg/l  
 - Sediment (Freshwater); >=1000 mg/kg  
 - Sediment (Marinewater); >=100 mg/kg  
 - Soil; 100 mg/kg  
 - STP; 100 mg/kg

### NEODECANOATE ACID, COBALT SALT (CAS: 27253-31-2)

**DNEL** Workers - Inhalation; Long term local effects: 0.2732 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 0.043 mg/m<sup>3</sup>  
 General population - Oral; Long term systemic effects: 0.0649 mg/kg/day

**PNEC** - Fresh water; 0.003 Co mg/l  
 - marine water; 0.00236 Co mg/l  
 - STP; 0.37 Co mg/l  
 - Sediment (Freshwater); 9.5 Co mg/kg/day  
 - Sediment (Marinewater); 9.5 Cp mg/kg/day  
 - Soil; 10.9 Co mg/kg/day

### ETHANOL (CAS: 64-17-5)

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**DNEL**

Workers - Inhalation; Long term systemic effects: 950 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term local effects: 1900 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 343 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 114 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term local effects: 950 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 206 mg/kg/day  
 Consumer - Oral; Long term systemic effects: 87 mg/kg/day

**PNEC**

- Fresh water; 0.96 mg/l
- marine water; 0.79 mg/l
- Intermittent release; 2.75 mg/l
- STP; 580 mg/l
- Sediment (Freshwater); 3.6 mg/kg/day
- Sediment (Marinewater); 2.9 mg/kg/day
- Soil; 0.63 mg/kg/day

### XYLENE (CAS: 1330-20-7)

**DNEL**

Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 108 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 14.8 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 180 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 77 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term local effects: 289 mg/m<sup>3</sup>

**PNEC**

- Fresh water; 0.327 mg/l
- marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg
- STP; 6.58 mg/kg

### ETHYLBENZENE (CAS: 100-41-4)

**DNEL**

Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 15 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 180 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 77 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term : 293 mg/m<sup>3</sup>

**PNEC**

- Fresh water; 0.1 mg/l
- marine water; 0.1 mg/l
- Intermittent release; 0.1 mg/l
- Sediment (Freshwater); 13.7 mg/kg
- Sediment (Marinewater); 13.7 mg/kg
- Soil; 2.68 mg/kg
- STP; 9.6 mg/kg

### METHANOL (CAS: 67-56-1)

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<b>DNEL</b>	Workers - Dermal; Short term systemic effects: 40 mg/kg/day
	Workers - Inhalation; Short term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Short term systemic effects: 40 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 40 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 260 mg/m <sup>3</sup>
	Consumer - Dermal; Short term systemic effects: 8 mg/kg/day
	Consumer - Inhalation; Short term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Short term systemic effects: 8 mg/kg/day
	Consumer - Inhalation; Long term local effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 8 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 8 mg/kg/day
Consumer - Inhalation; Short term local effects: 50 mg/m <sup>3</sup>	
<b>PNEC</b>	- Fresh water; 154 mg/l
	- marine water; 15.4 mg/l
	- Sediment; 570.4 mg/kg
	- Soil; 23.5 mg/kg
	- STP; 100 mg/l
	- Intermittent release; 1540 mg/l

### TOLUENE (CAS: 108-88-3)

<b>DNEL</b>	Industry - Inhalation; Short term : 384 mg/m <sup>3</sup>
	Industry - Inhalation; Long term : 192 mg/m <sup>3</sup>
	Industry - Dermal; Long term : 384 mg/kg/day
	Consumer - Inhalation; Short term : 226 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term : 56.5 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 8.13 mg/kg/day
	Consumer - Dermal; Long term : 226 mg/kg/day
<b>PNEC</b>	- Fresh water; 0.68 mg/l
	- Sediment; 16.39 mg/l
	- Soil; 2.89 mg/l
	- STP; 13.61 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

### Eye/face protection

Wear chemical splash goggles.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

### Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

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<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Viscous liquid. Coloured liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Characteristic. Organic solvents.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Technically not feasible.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	28 approx. °C Closed cup.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	: 0.8
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	heavier than air
<b>Relative density</b>	1.0 - 1.2 @ @20 C°C
<b>Solubility(ies)</b>	Immiscible with water
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	2.0 - 2.3 (Cone and Plate) P @ 25 C°C
<b>Explosive properties</b>	Not determined.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not determined.

#### 9.2. Other information

<b>Volatile organic compound</b>	This product contains a maximum VOC content of 610 (max for range) g/litre.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

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**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.

### 10.5. Incompatible materials

**Materials to avoid** Strong alkalis. Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 1,520.64

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 24.18

**Inhalation** Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.

**Ingestion** Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

**Skin contact** Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

**Eye contact** May cause temporary eye irritation.

**Acute and chronic health hazards** This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

**Route of exposure** Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

**Medical considerations** Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.

## SECTION 12: Ecological information

**Ecotoxicity** The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not expected to be biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product contains potentially bioaccumulating substances.

**Partition coefficient** Not determined.

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### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

**Other adverse effects** The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Avoid the spillage or runoff entering drains, sewers or watercourses.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class** When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as hazardous waste, with code 08 01 11\* (SOLVENT BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as hazardous waste, with code 08 01 11\* (SOLVENT BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).

## SECTION 14: Transport information

**General** This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

### 14.1. UN number

**UN No. (ADR/RID)** 1263

**UN No. (IMDG)** 1263

**UN No. (ICAO)** 1263

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** PAINT

**Proper shipping name (IMDG)** PAINT

**Proper shipping name (ICAO)** PAINT

**Proper shipping name (ADN)** PAINT

### 14.3. Transport hazard class(es)

**ADR/RID class** 1263

**IMDG class** 3

**ICAO class/division** 3

### Transport labels



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### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS	F-E, S-E
Tunnel restriction code	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78

and the IBC Code

Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Revision comments</b>	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in compliance with 30th & 31st ATP to Council Directive 67/548, as detailed in Commission Directive 2004/73/EC (1st ATP of EC Regulation 1272/2008) Corrections to Section 14, Transport Information
<b>Issued by</b>	Technical Dept. (P.E.)
<b>Revision date</b>	08/08/2018
<b>Revision</b>	4.0
<b>Supersedes date</b>	26/11/2010
<b>SDS number</b>	10899

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<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	Not classified. R10 Flammable. R11 Highly flammable R20 Harmful by inhalation. R20/21 Harmful by inhalation and in contact with skin. R21 Harmful in contact with skin. R22 Harmful if swallowed. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R33 Danger of cumulative effects. R36/37/38 Irritating to eyes, respiratory system and skin. R37 Irritating to respiratory system. R37/38 Irritating to respiratory system and skin. R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R40 Limited evidence of a carcinogenic effect. R41 Risk of serious damage to eyes. R42/43 May cause sensitisation by inhalation and skin contact. R43 May cause sensitisation by skin contact. R45 May cause cancer. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61 May cause harm to the unborn child. R62 Possible risk of impaired fertility. R63 Possible risk of harm to the unborn child. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.



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<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H350 May cause cancer. H351 Suspected of causing cancer. H360Df May damage the unborn child. Suspected of damaging fertility. H361d Suspected of damaging the unborn child. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure. H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure if inhaled. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H370 Causes damage to organs (Central nervous system, Eyes) if swallowed or if inhaled.
<b>Signature</b>	Initials_____

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.