

# COO-VAR®

## PAINTS, PRIMERS AND SPECIALISED COATINGS

### SAFETY DATA SHEET

#### 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name** 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD  
**Product number** 380/G127/2193  
**UFI** UFI: KQ7P-U23W-J005-2NJA

##### 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

<b>Supplier</b>	COO-VAR Lockwood Street HULL UK HU2 0HN +441482328053 (T) +441482219266 (F) info@coo-var.co.uk	TEAL & MACKRILL EU B.V. Zandvoortstraat 69 1976 BN IJMUIDEN THE NETHERLANDS +441482328053 (T) +441482219266 (F) info@coo-var.co.uk
<b>Contact person</b>	Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above	
<b>Manufacturer</b>	TEAL & MACKRILL LIMITED LOCKWOOD STREET HULL HU2 0HN +44(0)1482 320194(T) +44(0)1482 219266(F) info@teamac.co.uk	

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1482 328053 Coo-Var (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

**SDS No.** 11337

#### SECTION 2: Hazards identification

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

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

**Physical hazards** Flam. Liq. 3 - H226  
**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319  
**Environmental hazards** Aquatic Chronic 2 - H411

##### 2.2. Label elements

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD****Hazard pictograms****Signal word**

Warning

**Hazard statements**

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

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.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 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.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501 Dispose of contents/ container in accordance with national regulations.

**Supplemental label information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Contains**

Copper

**Supplementary precautionary statements**

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P403+P235 Store in a well-ventilated place. Keep cool.

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

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

<b>XYLENE</b>			<b>10-30%</b>
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-xxxx	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Flam. Liq. 3 - H226	Xn;R20/21,R65. Xi;R36/37/38. R10.		
Acute Tox. 4 - H312			
Acute Tox. 4 - H332			
Skin Irrit. 2 - H315			

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD**

<b>Copper</b>		<b>5-10%</b>
CAS number: 7440-50-8	EC number: 231-159-6	
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	-	
Eye Irrit. 2 - H319		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
<b>ETHYLBENZENE</b>		<b>5-10%</b>
CAS number: 100-41-4	EC number: 202-849-4	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xn;R20	
Acute Tox. 4 - H332		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		
Aquatic Chronic 3 - H412		
<b>HYDROCARBONS, C9, AROMATICS</b>		<b>5-10%</b>
CAS number: —	EC number: 918-668-5	REACH registration number: 01-2119455851-35-xxxx
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	
STOT SE 3 - H335, H336		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		
<b>HYDROCARBONS, C9-C11, &lt;2% AROMATICS</b>		<b>1-5%</b>
CAS number: —	EC number: 919-857-5	REACH registration number: 01-2119463258-33-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	Xn;R65. R10,R66,R67.	
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
<b>Zinc Metal (massive)</b>		<b>1-5%</b>
CAS number: 7440-66-6	EC number: 231-175-3	
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b>		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD**

<b>STYRENE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 100-42-5	EC number: 202-851-5	REACH registration number: 01-2119457861-32-0000
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361 STOT SE 3 - H335 STOT RE 1 - H372 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xn;R20 Xi;R36/38	
<b>PHTHALIC ANHYDRIDE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 85-44-9	EC number: 201-607-5	REACH registration number: 01-2119457017-41-0000
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22 R42/43 Xi;R37/38,R41	
<b>Dipropylene Glycol Methyl Ether</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 34590-94-8	EC number: 252-104-2	REACH registration number: 01-2119450011-60-XXXX
<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> -	
<b>2,6-Di-tert-butyl-p-cresol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 128-37-0	EC number: 204-881-4	REACH registration number: 01-2119565113-46-xxxx
M factor (Acute) = 1		
<b>Classification</b> Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> N;R50/53.	

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

###### General information

Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

<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. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Dryness of mouth and throat. Coughing, chest tightness, feeling of chest pressure. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Congestion of the lungs may occur, producing severe shortness of breath. During application and drying, solvent vapours will be emitted. Vapours in high concentrations are narcotic.
<b>Ingestion</b>	A single exposure may cause the following adverse effects: Irritation. Nausea, vomiting. Symptoms following overexposure may include the following: Unconsciousness. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
<b>Skin contact</b>	A single exposure may cause the following adverse effects: Redness. Irritation. Discoloration of the skin.
<b>Eye contact</b>	A single exposure may cause the following adverse effects: Redness. Irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** 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** Containers can burst violently or explode when heated, due to excessive pressure build-up. Contains Hydrocarbons. The product is immiscible with water and will spread on the water surface.

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

**Hazardous combustion products** Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

**Personal precautions** No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Provide adequate ventilation.

### 6.2. Environmental precautions

**Environmental precautions** Immiscible with water. Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment. Absorb spillage with non-combustible, absorbent material.

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

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. 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. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

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

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

<b>Storage precautions</b>	Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.
<b>Storage class</b>	Unspecified storage.
<b>7.3. Specific end use(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	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**

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>

##### **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>

##### **HYDROCARBONS, C9, AROMATICS**

Long-term exposure limit (8-hour TWA): WEL 19 ppm 100 mg/m<sup>3</sup> vapour

##### **STYRENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm 430 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m<sup>3</sup>

##### **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)

##### **Dipropylene Glycol Methyl Ether**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup>

Sk

##### **2,6-Di-tert-butyl-p-cresol**

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

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

#### 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>

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD**

- 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

**HYDROCARBONS, C9, AROMATICS**

- DNEL**
- Consumer - Oral; Long term systemic effects: 11 mg/kg/day
  - Consumer - Dermal; Long term systemic effects: 11 mg/kg/day
  - Consumer - Inhalation; Long term systemic effects: 32 mg/m<sup>3</sup>
  - Industry - Dermal; Long term systemic effects: 25 mg/kg/day
  - Industry - Inhalation; Long term systemic effects: 150 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.

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

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

**STYRENE (CAS: 100-42-5)**

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

<b>DNEL</b>	Workers - Inhalation; Short term systemic effects: 289 mg/m <sup>3</sup>
	Workers - Inhalation; Short term local effects: 306 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 406 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 85 mg/m <sup>3</sup>
	Consumer - Inhalation; Short term systemic effects: 174.25 mg/m <sup>3</sup>
	Consumer - Inhalation; Short term local effects: 182.75 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 343 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 10.2 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 2.1 mg/kg/day

### Dipropylene Glycol Methyl Ether (CAS: 34590-94-8)

<b>DNEL</b>	Industry - Dermal; Long term : 65 mg/kg/day
	Industry - Inhalation; Long term : 310 mg/m <sup>3</sup>
	Consumer - Dermal; Long term : 15 mg/kg/day
	Consumer - Inhalation; Long term : 37.2 mg/m <sup>3</sup>
	Consumer - Oral; Long term : 1.67 mg/kg/day

<b>PNEC</b>	Fresh water; 19 mg/l
	marine water; 1.9 mg/l
	STP; 4168 mg/l
	Sediment (Freshwater); 70.2 mg/kg
	Sediment (Marinewater); 7.02 mg/kg
	Soil; 2.74 mg/kg
	Intermittent release; 19 mg/l

### 2,6-Di-tert-butyl-p-cresol (CAS: 128-37-0)

<b>DNEL</b>	Industry - Dermal; : 0.5 mg/kg/day
	Industry - Inhalation; : 3.5 mg/kg/day

<b>PNEC</b>	- Fresh water; 0.000199 mg/l
	- Sediment; 0.0996 mg/l
	- marine water; 0.0000199 mg/l
	- Soil; 0.04769 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment 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. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

<b>Hand protection</b>	To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturers' performance data suggest that the optimum glove for use should be: Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Thickness: 0.2 - 0.3 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.
<b>Other skin and body protection</b>	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
<b>Hygiene measures</b>	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Coloured liquid.
<b>Colour</b>	Gold.
<b>Odour</b>	Characteristic. Organic solvents.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable. Technically not feasible.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Technically not feasible. Outside use parameters°C @
<b>Flash point</b>	24°C Closed cup.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	: 0.7
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	>1

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

<b>Relative density</b>	1.06 - 1.10 @ 20°C
<b>Solubility(ies)</b>	Insoluble in water. Soluble in the following materials: Aromatic solvents
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	9 - 11 (ICI Rotothinner) P @ 25°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>Volatility</b>	56 max.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of <500 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat. Containers can burst violently or explode when heated, due to excessive pressure build-up.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Oxidising agents. Acids - oxidising.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	4,496.4
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#### Acute toxicity - dermal

<b>ATE dermal (mg/kg)</b>	4,562.55
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#### Acute toxicity - inhalation

<b>ATE inhalation (vapours mg/l)</b>	38.56
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## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Dryness of mouth and throat. Coughing, chest tightness, feeling of chest pressure. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Congestion of the lungs may occur, producing severe shortness of breath. During application and drying, solvent vapours will be emitted. Vapours in high concentrations are narcotic.
<b>Ingestion</b>	A single exposure may cause the following adverse effects: Irritation. Nausea, vomiting. Symptoms following overexposure may include the following: Unconsciousness. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
<b>Skin contact</b>	A single exposure may cause the following adverse effects: Redness. Irritation. Discoloration of the skin.
<b>Eye contact</b>	A single exposure may cause the following adverse effects: Redness. Irritation.
<b>Acute and chronic health hazards</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target organs</b>	No specific target organs known.
<b>Medical considerations</b>	Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.

### Toxicological information on ingredients.

#### XYLENE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 3,523.0

Species Rat

ATE oral (mg/kg) 3,523.0

##### Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

##### Serious eye damage/irritation

**Serious eye damage/irritation** Severely irritating to skin. Irritation of eyes is assumed. No testing is needed.

##### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising.

##### Skin sensitisation

**Skin sensitisation** Not sensitising.

##### Carcinogenicity

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD**

<b>Carcinogenicity</b>	There is no evidence that the product can cause cancer.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	This substance has no evidence of toxicity to reproduction.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Kinematic viscosity <= 20.5 mm <sup>2</sup> /s.
<b>Inhalation</b>	Harmful by inhalation.
<b>Ingestion</b>	Pneumonia may be the result if vomited material containing solvents reaches the lungs.
<b>Skin contact</b>	Harmful in contact with skin.
<b>Eye contact</b>	May cause severe eye irritation.
<b>Target organs</b>	Central nervous system Liver

**ETHYLBENZENE****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,523.0

**Species** Rat

**ATE oral (mg/kg)** 3,523.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 15,400.0

**Species** Rabbit

**ATE dermal (mg/kg)** 15,400.0

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 17.8

**Species** Rat

**ATE inhalation (vapours mg/l)** 17.8

**Serious eye damage/irritation**

**Serious eye damage/irritation** Severely irritating to skin. Irritation of eyes is assumed. No testing is needed.

**Respiratory sensitisation**

**Respiratory sensitisation** Not sensitising.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Carcinogenicity**

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

**Carcinogenicity** There is no evidence that the product can cause cancer.

**Aspiration hazard**

**Aspiration hazard** Kinematic viscosity <= 20.5 mm<sup>2</sup>/s.

### HYDROCARBONS, C9, AROMATICS

**Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,492.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 3,492.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,160.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 3,160.0

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 6,193.0

**Species** Rat

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 6,193.0

**Skin corrosion/irritation**

**Animal data** Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

**Respiratory sensitisation**

**Respiratory sensitisation** Based on available data the classification criteria are not met.

**Skin sensitisation**

**Skin sensitisation** Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Carcinogenicity**

**Carcinogenicity** Based on available data the classification criteria are not met.

**IARC carcinogenicity** None of the ingredients are listed or exempt.

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 3 - H335, H336 May cause respiratory irritation. May cause drowsiness or dizziness.

**Target organs** Respiratory system, lungs Central nervous system

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### Inhalation

A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing. Vapours may cause headache, fatigue, dizziness and nausea. Central nervous system depression. During application and drying, solvent vapours will be emitted. Vapours in high concentrations are narcotic.

### Ingestion

Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### Skin contact

Repeated exposure may cause skin dryness or cracking. Discoloration of the skin.

### Eye contact

May cause temporary eye irritation.

### Route of exposure

Ingestion Inhalation Skin and/or eye contact

### Target organs

Central nervous system Respiratory system, lungs

## 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.

### Ecological information on ingredients.

#### XYLENE

**Ecotoxicity** The product is not expected to be hazardous to the environment.

#### ETHYLBENZENE

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD**

**Toxicity** Based on available data the classification criteria are not met.

**Ecological information on ingredients.****XYLENE****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 2.6 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 3.62 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 3.2 mg/l, Algae

**ETHYLBENZENE****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 4.2 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >2.93 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 2.2 mg/l, Algae

**Chronic aquatic toxicity**

<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 days: 6.8 mg/l, Daphnia magna
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**HYDROCARBONS, C9, AROMATICS**

**Toxicity** Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

**Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 3.2 mg/l, Daphnia magna
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 48 hours: 2.9 mg/l,

**Chronic aquatic toxicity**

<b>Chronic toxicity - fish early life stage</b>	NOEC, 28 days: 1.23 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 : 2.14 mg/l, Daphnia magna

**12.2. Persistence and degradability**

**Persistence and degradability** The degradability of the product is not known.

**Ecological information on ingredients.****XYLENE**

**Persistence and degradability** The product is readily biodegradable.

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD****ETHYLBENZENE**

**Persistence and degradability** The product is readily biodegradable.

**HYDROCARBONS, C9, AROMATICS**

**Persistence and degradability** The degradability of the product is not known.

**Biodegradation** - 78%: 28 days

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

**Ecological information on ingredients.****XYLENE**

**Partition coefficient** log Kow: 3.12 - 3.2

**HYDROCARBONS, C9, AROMATICS**

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

**12.4. Mobility in soil**

**Mobility** The product is insoluble in water. Volatile liquid. The product contains organic solvents which will evaporate easily from all surfaces.

**Ecological information on ingredients.****HYDROCARBONS, C9, AROMATICS**

**Mobility** No data available.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**Ecological information on ingredients.****XYLENE**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**ETHYLBENZENE**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**HYDROCARBONS, C9, AROMATICS**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

### 12.6. Other adverse effects

Other adverse effects            None known.

### Ecological information on ingredients.

#### HYDROCARBONS, C9, AROMATICS

Other adverse effects            None known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information**            The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods**                Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible.

**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**                                For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

#### 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:Contains Hydrocarbons, C9, Aromatics, Class 3, PG III, (38 °C c.c.), MARINE POLLUTANT

**Proper shipping name (IMDG)**    PAINT:Contains Hydrocarbons, C9, Aromatics, Class 3, PG III, (38 °C c.c.), MARINE POLLUTANT

**Proper shipping name (ICAO)**    PAINT:Contains Hydrocarbons, C9, Aromatics, Class 3, PG III, (38 °C c.c.), MARINE POLLUTANT

#### 14.3. Transport hazard class(es)

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD**

ADR/RID class 3

IMDG class 3

ICAO class/division 3

**Transport labels****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****14.6. Special precautions for user**

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.

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**

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** 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).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
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).

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**Inventories****EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD****SECTION 16: Other information**

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>GHS: Globally Harmonized System.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>UVCB - Unknown or variable composition, complex reaction products or Biological materials.</p> <p>Kow: Octanol-water partition coefficient.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>SVHC: Substances of Very High Concern.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>cATpE: Converted Acute Toxicity Point Estimate.</p> <p>BCF: Bioconcentration Factor.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p>
<b>Training advice</b>	Read and follow manufacturer's recommendations.
<b>Revision comments</b>	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 Unique Formula Identifier (UFI) added Revised classification.
<b>Issued by</b>	Technical Dept. (P.E.)
<b>Revision date</b>	18/02/2021
<b>Revision</b>	8.0
<b>Supersedes date</b>	12/01/2021
<b>SDS number</b>	11337
<b>SDS status</b>	Approved.

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD****Hazard statements in full**

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
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.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
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.  
H361 Suspected of damaging fertility or the unborn child.  
H372 Causes damage to organs (Hearing organs) through prolonged or repeated exposure.  
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
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.

**Signature**

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.