

# COO-VAR<sup>®</sup>

PAINTS, PRIMERS AND SPECIALISED COATINGS

## SAFETY DATA SHEET

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

#### 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

##### 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 COO-VAR  
Lockwood Street  
Hull  
HU2 0HN  
+44 (0) 1482 328053(T)  
+44 (0) 1482 219266(F)  
info@coo-var.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

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 STOT SE 3 - H335 STOT RE 2 - H373

Environmental hazards Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Pictogram



Signal word

Warning

###### Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>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, HYDROCARBONS, C9, AROMATICS
<b>Supplementary precautionary statements</b>	<p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p>

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

<b>Xylene Isomer Mixture</b>		<b>10-30%</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		
<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		

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<b>HYDROCARBONS, C9, AROMATICS</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: —	EC number: 918-668-5	REACH registration number: 01-2119455851-35-xxxx
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	
<b>HYDROCARBONS, C9-C11, &lt;2% AROMATICS</b> <span style="float: right;"><b>1-5%</b></span>		
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>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	

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<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>ETHANEDIOL</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 107-21-1	EC number: 203-473-3	
<b>Classification</b> Acute Tox. 4 - H302 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22	
<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**

<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**

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**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

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

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

### 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.

## **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** Avoid 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. For waste disposal, see Section 13.

## **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

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<b>Storage precautions</b>	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.
<b>Storage class</b>	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.
<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 Isomer Mixture**

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

##### **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)

##### **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>

##### **ETHANEDIOL**

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

Short-term exposure limit (15-minute): WEL 104 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 the skin.

**Xylene Isomer Mixture (CAS: 1330-20-7)**

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

**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** 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.

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

<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

### 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
	- Soil; 0.04769 mg/l
	- Marine water; 0.0000199 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.

### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

### Respiratory protection

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>	Coloured liquid.
<b>Colour</b>	Gold.
<b>Odour</b>	Characteristic. Organic solvents.
<b>Odour threshold</b>	Not determined.

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<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
<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.
<b>9.2. Other information</b>	
<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**

**Reactivity** There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

**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.

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### 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)** 4,562.55

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 38.56

<b>Inhalation</b>	Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.
<b>Ingestion</b>	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
<b>Skin contact</b>	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.
<b>Eye contact</b>	May cause temporary eye 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>	Inhalation Skin absorption. Ingestion. Skin and/or eye contact.
<b>Medical considerations</b>	Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.

#### Toxicological information on ingredients.

#### 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

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### 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

**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.

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### 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.

### 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 a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD**Ecological information on ingredients.ETHYLBENZENE

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

**12.1. Toxicity**Ecological information on ingredients.ETHYLBENZENEAcute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 4.2 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >2.93 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 2.2 mg/l, Algae

Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 6.8 mg/l, Daphnia magna

HYDROCARBONS, C9, AROMATICS

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

Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 3.2 mg/l, Daphnia magna

**Acute toxicity - microorganisms** EC<sub>50</sub>, 48 hours: 2.9 mg/l,

**12.2. Persistence and degradability**

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

Ecological information on ingredients.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** The product contains potentially bioaccumulating substances.

**Partition coefficient** Not determined.

Ecological information on ingredients.

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

### HYDROCARBONS, C9, AROMATICS

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

**Partition coefficient** Not available.

#### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) 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

#### Ecological information on ingredients.

### 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.

#### 12.6. Other adverse effects

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

#### Ecological information on ingredients.

### HYDROCARBONS, C9, AROMATICS

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

**Disposal methods** Avoid the spillage or runoff entering drains, sewers or watercourses. 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

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

**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****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**

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

## 380/G127 - HAMMERCOTE SMOOTH ENAMEL - GOLD

<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>Abbreviations and acronyms used in the safety data sheet</b>	ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. GHS: Globally Harmonized System. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. UVCB - Unknown or variable composition, complex reaction products or Biological materials. Kow: Octanol-water partition coefficient. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. SVHC: Substances of Very High Concern. vPvB: Very Persistent and Very Bioaccumulative. cATpE: Converted Acute Toxicity Point Estimate. BCF: Bioconcentration Factor. EC <sub>50</sub> : 50% of maximal Effective Concentration.
<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 Revision to sections 2, 8, 11 & 12 for reclassification of solvents.
<b>Issued by</b>	Technical Dept. (P.E.)
<b>Revision date</b>	12/07/2018
<b>Revision</b>	5.0
<b>Supersedes date</b>	07/04/2015
<b>SDS number</b>	11337
<b>SDS status</b>	Approved.

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

<b>Hazard statements in full</b>	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. H361d Suspected of damaging 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. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure if inhaled. H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure if swallowed. 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.
<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.