

COO-VAR®

PAINTS, PRIMERS AND SPECIALISED COATINGS

SAFETY DATA SHEET

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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 - BLUE & GREEN
Product number 380/G127/1704 & 1723
UFI UFI: 5F7P-A21Q-M00P-3MT4

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 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
Contact person	Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above	
Manufacturer	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. 10933

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
Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN**Hazard pictograms****Signal word**

Warning

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H412 Harmful 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.
 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.
 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.
 EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Supplementary precautionary statements

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 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**

XYLENE		10-30%
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-xxxx
Classification	Classification (67/548/EEC or 1999/45/EC)	
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 - BLUE & GREEN

ETHYLBENZENE			5-10%
CAS number: 100-41-4	EC number: 202-849-4		
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412		Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R20	
HYDROCARBONS, C9-C11, <2% AROMATICS			5-10%
CAS number: —	EC number: 919-857-5	REACH registration number: 01-2119463258-33-XXXX	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304		Classification (67/548/EEC or 1999/45/EC) Xn;R65. R10,R66,R67.	
HYDROCARBONS, C9, AROMATICS			1-5%
CAS number: —	EC number: 918-668-5	REACH registration number: 01-2119455851-35-xxxx	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	
Titanium Dioxide			1-5%
CAS number: 13463-67-7	EC number: 236-675-5	REACH registration number: 01-2119489379-17-xxxx	
Classification Carc. 2 - H351		Classification (67/548/EEC or 1999/45/EC) -	

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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

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

Composition comments

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

SECTION 4: First aid measures

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

4.1. Description of first aid measures

General information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Inhalation	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.
Ingestion	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.
Skin contact	Rinse with water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	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.
Inhalation	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.
Ingestion	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.
Skin contact	A single exposure may cause the following adverse effects: Redness. Irritation. Discoloration of the skin.
Eye contact	A single exposure may cause the following adverse effects: Redness. Irritation.

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

Notes for the doctor	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

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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.
Hazardous combustion products	Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO ₂).
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.
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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.
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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.
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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.
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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.
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380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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

Storage precautions

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.

Storage class

Unspecified storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³

HYDROCARBONS, C9, AROMATICS

Long-term exposure limit (8-hour TWA): WEL 19 ppm 100 mg/m³ vapour

Titanium Dioxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

STYRENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 430 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m³

PHTHALIC ANHYDRIDE

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³(Sen)

Short-term exposure limit (15-minute): WEL 12 mg/m³(Sen)

Dipropylene Glycol Methyl Ether

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³

Sk

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

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

XYLENE (CAS: 1330-20-7)

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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/m³
 Industry - Dermal; Long term systemic effects: 180 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 77 mg/m³
 Industry - Inhalation; Short term local effects: 289 mg/m³

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/m³
 Industry - Dermal; Long term systemic effects: 180 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 77 mg/m³
 Industry - Inhalation; Short term : 293 mg/m³

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-C11, <2% AROMATICS

DNEL Industry - Inhalation; Long term systemic effects: 1500 mg/m³
 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/m³

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, 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/m³
 Industry - Dermal; Long term systemic effects: 25 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 150 mg/m³

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)

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

DNEL Industry - Inhalation; Long term local effects: 10 mg/m³
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

STYRENE (CAS: 100-42-5)

DNEL

- Workers - Inhalation; Short term systemic effects: 289 mg/m³
- Workers - Inhalation; Short term local effects: 306 mg/m³
- Workers - Dermal; Long term systemic effects: 406 mg/kg/day
- Workers - Inhalation; Long term systemic effects: 85 mg/m³
- Consumer - Inhalation; Short term systemic effects: 174.25 mg/m³
- Consumer - Inhalation; Short term local effects: 182.75 mg/m³
- Consumer - Dermal; Long term systemic effects: 343 mg/kg/day
- Consumer - Inhalation; Long term systemic effects: 10.2 mg/m³
- Consumer - Oral; Long term systemic effects: 2.1 mg/kg/day

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

DNEL

- Industry - Dermal; Long term : 65 mg/kg/day
- Industry - Inhalation; Long term : 310 mg/m³
- Consumer - Dermal; Long term : 15 mg/kg/day
- Consumer - Inhalation; Long term : 37.2 mg/m³
- Consumer - Oral; Long term : 1.67 mg/kg/day

PNEC

- 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)

DNEL

- Industry - Dermal; : 0.5 mg/kg/day
- Industry - Inhalation; : 3.5 mg/kg/day

PNEC

- 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



380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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.
Hand protection	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.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	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.
Respiratory protection	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.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Green. or Blue.
Odour	Characteristic. Organic solvents.
Odour threshold	Not determined.
pH	Technically not feasible.
Melting point	Not determined.
Initial boiling point and range	Not determined.

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

Flash point	25C approximately°C OC (Open cup).
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	Heavier than air
Relative density	Specific Gravity: 0.99 - 1.03 depending on colour @ 25°C
Solubility(ies)	Insoluble in water
Partition coefficient	Not determined.
Auto-ignition temperature	400°C
Decomposition Temperature	Not determined.
Viscosity	8 to 10 (Rot thinner) P @ 25°C
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not determined.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of <500 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Containers can burst violently or explode when heated, due to excessive pressure build-up.

10.5. Incompatible materials

Materials to avoid Oxidising agents. Acids - oxidising.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 4,636.04

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 39.18

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: 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.
Ingestion	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.
Skin contact	A single exposure may cause the following adverse effects: Redness. Irritation. Discoloration of the skin.
Eye contact	A single exposure may cause the following adverse effects: Redness. 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	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.
Medical considerations	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 (LD₅₀ 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

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

Skin sensitisation	Not sensitising.
<u>Carcinogenicity</u>	
Carcinogenicity	There is no evidence that the product can cause cancer.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	This substance has no evidence of toxicity to reproduction.
<u>Aspiration hazard</u>	
Aspiration hazard	Kinematic viscosity <= 20.5 mm ² /s.
<u>Inhalation</u>	
Inhalation	Harmful by inhalation.
<u>Ingestion</u>	
Ingestion	Pneumonia may be the result if vomited material containing solvents reaches the lungs.
<u>Skin contact</u>	
Skin contact	Harmful in contact with skin.
<u>Eye contact</u>	
Eye contact	May cause severe eye irritation.
<u>Target organs</u>	
Target organs	Central nervous system Liver

ETHYLBENZENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,523.0

Species Rat

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 15,400.0

Species Rabbit

ATE dermal (mg/kg) 15,400.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ 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

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

Skin sensitisation	Not sensitising.
<u>Carcinogenicity</u>	
Carcinogenicity	There is no evidence that the product can cause cancer.
<u>Aspiration hazard</u>	
Aspiration hazard	Kinematic viscosity <= 20.5 mm ² /s.

HYDROCARBONS, C9-C11, <2% AROMATICS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,100.0

Species Rat

ATE oral (mg/kg) 5,100.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,100.0

Species Rabbit

ATE dermal (mg/kg) 5,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 5,100.0

Species Rat

ATE inhalation (vapours mg/l) 5,100.0

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative. This substance has no evidence of mutagenic properties.

Carcinogenicity

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

Reproductive toxicity

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

Reproductive toxicity - fertility	Fertility: - , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
Reproductive toxicity - development	Developmental toxicity: - : , Inhalation, Rat This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not available.

Aspiration hazard

Aspiration hazard Kinematic viscosity <= 20.5 mm²/s.

Inhalation	Vapours may cause drowsiness and dizziness. Central nervous system depression.
Ingestion	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema.
Eye contact	No specific health hazards known.
Route of exposure	Inhalation Dermal

HYDROCARBONS, C9, AROMATICS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,492.0

Species Rat

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 3,492.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,160.0

Species Rabbit

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 3,160.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 6,193.0

Species Rat

Notes (inhalation LC₅₀) 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

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
<u>Reproductive toxicity</u>	
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.
<u>Specific target organ toxicity - single exposure</u>	
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
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
<u>Aspiration hazard</u>	
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.
<u>General information</u>	
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

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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

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

Ecological information on ingredients.

XYLENE

Acute aquatic toxicity

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

ETHYLBENZENE

Acute aquatic toxicity

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

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 6.8 mg/l, Daphnia magna
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HYDROCARBONS, C9-C11, <2% AROMATICS

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , > 96 hours: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout) Substance did not cause acute toxicity to fish
Acute toxicity - aquatic invertebrates	Substance did not cause acute toxicity to the freshwater invertebrates EC ₅₀ , 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , > 72 hours: 1000 mg/l, Freshwater algae Substance did not cause acute toxicity to the freshwater green algae

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

Acute toxicity - microorganisms EC₅₀, >: 100 mg/l, Activated sludge

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 28 days: 0.131 mg/l, Oncorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates NOEC, 28 days: 0.23 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 LC₅₀, 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3.2 mg/l, Daphnia magna

Acute toxicity - microorganisms EC₅₀, 48 hours: 2.9 mg/l,

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 28 days: 1.23 mg/l, Oncorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates 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.

ETHYLBENZENE

Persistence and degradability The product is readily biodegradable.

HYDROCARBONS, C9-C11, <2% AROMATICS

Persistence and degradability The product is readily biodegradable.

Phototransformation Oxidises rapidly by photo-chemical reactions in air

Biodegradation - 80 Degradation (%): 28 days
Test - 301F Ready Biodegradability - Manometric Respiratory Test

HYDROCARBONS, C9, AROMATICS

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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-C11, <2% AROMATICS

Bioaccumulative potential The product contains potentially bioaccumulating substances.

Partition coefficient log Pow: 5 - 6.7

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-C11, <2% AROMATICS**

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. Readily absorbed into soil.

Adsorption/desorption coefficient Not available.

Surface tension 24.5 mN/m @ 20°C

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

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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

HYDROCARBONS, C9-C11, <2% AROMATICS

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 None known.

Ecological information on ingredients.

HYDROCARBONS, C9-C11, <2% AROMATICS

Other adverse effects Not known.

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.

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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)	Contains Hydrocarbons, C9, Aromatics and 1,2,4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.), MARINE POLLUTANTS
Proper shipping name (IMDG)	Contains Hydrocarbons, C9, Aromatics and 1,2,4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.), MARINE POLLUTANTS
Proper shipping name (ICAO)	Contains Hydrocarbons, C9, Aromatics and 1,2,4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.), MARINE POLLUTANTS

14.3. Transport hazard class(es)

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

No.

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 Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

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).

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

Training advice Read and follow manufacturer's recommendations.

Revision comments 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 Classification of Titanium Dioxide updated in line with the 14th ATP to CLP.

Issued by Technical Dept. (P.E.)

Revision date 04/08/2021

Revision 9.0

Supersedes date 12/01/2021

SDS number 10933

SDS status Approved.

380/G127 - HAMMERCOTE SMOOTH - BLUE & GREEN

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. H351 Suspected of causing cancer. 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.