

COO-VAR®

PAINTS, PRIMERS AND SPECIALISED COATINGS

SAFETY DATA SHEET

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

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/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Product number 380/Q127/ All colours

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. 20669 (replaces 11393)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336

Environmental hazards Not Classified

Human health Gas or vapour is harmful on prolonged exposure or in high concentration. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling contents of this container is dangerous and can be fatal.

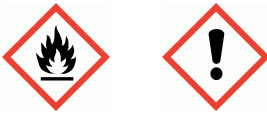
Environmental The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

Physicochemical Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
 H229 Pressurised container: may burst if heated.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

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.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P260 Do not breathe vapour/ spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P271 Use only outdoors or in a well-ventilated area.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

ACETONE

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

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS		30-60%
CAS number: 68476-85-7	EC number: 270-704-2	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Gas 1 - H220	F+;R12 Carc. Cat. 1;R45 Muta. Cat. 2;R46	
Press. Gas (Liq.) - H280		
ACETONE		10-30%
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-0000
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	F;R11 Xi;R36 R66 R67	
Eye Irrit. 2 - H319		
STOT SE 3 - H336		

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

XYLENE 10-30%		
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-xxxx
ETHYLBENZENE 1-5%		
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	
XYLENE 1-5%		
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-0000
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20/21 Xi;R38	
HYDROCARBONS, C9, AROMATICS <1%		
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.	

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

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	
ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID <1%		
CAS number: 22464-99-9	EC number: 245-018-1	REACH registration number: 01-2119979088-21-0002
Classification Repr. 2 - H361d	Classification (67/548/EEC or 1999/45/EC) Repr. Cat. 3;R63.	
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.

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information Move affected person to fresh air at once.

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Inhalation	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. DO NOT use solvents or thinners
Eye contact	Rinse immediately with plenty of water. 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	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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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	Extinguish with foam, carbon dioxide, dry powder or water fog.
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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. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. The product is highly flammable. Forms explosive mixtures with air.
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5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.
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6.2. Environmental precautions

Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.
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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. Absorb spillage with non-combustible, absorbent material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Usage precautions Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray near naked flame or any incandescent material.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 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

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

Sk

HYDROCARBONS, C9, AROMATICS

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

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)

ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): WEL 10 mg/m³

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 the skin.

Ingredient comments WEL = Workplace Exposure Limits

ACETONE (CAS: 67-64-1)

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

DNEL

Consumer - Oral; Long term : 62 mg/kg/day
 Consumer - Dermal; Long term : 62 mg/kg/day
 Industry - Dermal; Long term : 186 mg/kg/day
 Consumer - Inhalation; Long term : 200 mg/m³
 Industry - Inhalation; Short term : 2420 mg/m³
 Industry - Inhalation; Long term : 1210 mg/m³

PNEC

- Fresh water; 10.6 mg/l
- marine water; 1.06 mg/l
- Intermittent release; 21 mg/l
- Soil; 29.5 mg/l
- Sediment (Marinewater); 3.04 mg/kg
- Sediment (Freshwater); 30.4 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

XYLENE (CAS: 1330-20-7)

DNEL

Consumer - Inhalation; Long term systemic effects: 65.3 mg/m³
 Consumer - Dermal; Long term systemic effects: 1872 mg/kg/day
 Consumer - Oral; Long term systemic effects: 12.5 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 221 mg/m³
 Industry - Inhalation; Short term : 442 mg/m³
 Consumer - Inhalation; Short term : 260 mg/m³
 Industry - Dermal; Long term systemic effects: 3182 mg/kg/day

PNEC

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

HYDROCARBONS, C9, 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

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

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.

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
- Soil; 0.04769 mg/l
- marine water; 0.0000199 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Personal protection

When using do not smoke.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Due to the packaging form, aerosol, risk of skin contact is small. 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. Manufacturer's performance data suggest that the optimum glove for use should be: Viton rubber (fluoro rubber). Thickness: ≥ 0.7 mm or Polyethylene. Thickness: ≥ 0.062 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

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Wash hands after handling. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Various colours.
Odour	Organic solvents.
Odour threshold	Not determined.

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

pH	Technically not feasible.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	<-40°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8 % Upper flammable/explosive limit: 9.5 %
Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	heavier than air
Relative density	1.17 @ 25°C
Partition coefficient	Not determined.
Auto-ignition temperature	400°C
Decomposition Temperature	Not determined.
Viscosity	800 - 1000 cP @ 25°C
Explosive properties	Not determined.
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 580 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable at normal ambient temperatures and when used as recommended.

10.2. Chemical stability

Stability Avoid the following conditions: Heat, sparks, flames.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Does not decompose when used and stored as recommended.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Keep away from oxidising materials, heat and flames.

10.6. Hazardous decomposition products

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 7,681.8

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 66.49

General information Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Inhalation In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Unconsciousness and possible death.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.

Acute and chronic health hazards Arrhythmia, (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Route of exposure Inhalation Skin and/or eye contact.

Target organs Central nervous system Respiratory system, lungs

Medical symptoms Arrhythmia, (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness. Skin irritation.

Toxicological information on ingredients.

ACETONE

Toxicological effects The toxicity of this substance has been assessed during REACH registration.

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,800.0

Species Rat

ATE oral (mg/kg) 5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 7,426.0

Species Guinea pig

ATE dermal (mg/kg) 7,426.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 76.0

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Species	Rat
ATE inhalation (dusts/mists mg/l)	76.0
<u>Skin sensitisation</u>	
Skin sensitisation	Epidemiological studies have shown no evidence of skin sensitisation.

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

Skin sensitisation Not sensitising.

Carcinogenicity

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

Aspiration hazard

Aspiration hazard Kinematic viscosity <= 20.5 mm²/s.

XYLENE**Acute toxicity - oral**

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

Species Rat

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 12,126.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 27.124

Species Rat

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

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

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity - fertility This substance has no evidence of toxicity to reproduction.

Aspiration hazard

Aspiration hazard Kinematic viscosity <= 20.5 mm²/s.

Inhalation Harmful by inhalation.

Ingestion Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact Harmful in contact with skin.

Target organs Central nervous system Liver

SECTION 12: Ecological information

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Ecotoxicity

ENVIRONMENTAL HAZARDS: This product has not been tested but contains ingredients which are harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

Ecological information on ingredients.

ETHYLBENZENE

Ecotoxicity Not regarded as dangerous for the environment.

XYLENE

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

12.1. Toxicity

Ecological information on ingredients.

ACETONE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 13500 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: >100 mg/l, Algae

ETHYLBENZENE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 4.2 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >2.93 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 2.2 mg/l, Algae

Chronic aquatic toxicity

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

XYLENE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 2.6 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3.62 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 3.2 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Ecological information on ingredients.

ACETONE

Persistence and degradability The product is readily biodegradable.

ETHYLBENZENE

Persistence and degradability The product is readily biodegradable.

XYLENE

Persistence and degradability The product is readily biodegradable.

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

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

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

Ecological information on ingredients.

ACETONE

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.

XYLENE

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.

SECTION 13: Disposal considerations

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

13.1. Waste treatment methods

General information	Do not puncture or incinerate even when empty.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14: Transport information

General	This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.
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14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels



14.4. Packing group

ADR/RID packing group	not applicable
IMDG packing group	not applicable
ICAO packing group	not applicable

14.5. Environmental hazards

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

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

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).

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).

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

Guidance

Workplace Exposure Limits EH40.

Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

British Aerosol Manufacturers Code of Practice 7th. Edition 1999.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. 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. 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. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). 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. EC ₅₀ : 50% of maximal Effective Concentration.
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 Revision to sections 2, 8, 11 & 12 for reclassification of solvents.
Issued by	Technical Dept. (P.E.)
Revision date	29/04/2019
Revision	3.0
Supersedes date	11/07/2018
SDS number	20669
SDS status	Approved.

380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H229 Pressurised container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. 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 (Respiratory system, lungs) through prolonged or repeated exposure if inhaled. 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.