



J. McCormack



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SAFETY DATA SHEET

ARDENBRITE PROTECTIVE GLAZE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME ARDENBRITE PROTECTIVE GLAZE
 PRODUCT NO. AB4380017
 APPLICATION Intended to be used over Ardenbrite metallics as a protective coating.
 SUPPLIER Blackfriar Paints Ltd
 Portobello Industrial Estate
 Birtley
 County Durham
 DH3 2RE
 +44(0)191 4106611
 +44(0)191 4113147
 blackfriar@tor-coatings.com
 CONTACT PERSON ian.mccormack@tor-coatings.com

2 HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation. Repeated exposure may cause skin dryness or cracking. Irritating to respiratory system. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R20. Xi;R37. N;R51/53. R10, R66.

ENVIRONMENT

The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12.

PHYSICAL AND CHEMICAL HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Vapours/aerosol spray may irritate the respiratory system. Risk of sensitisation or allergic reactions among sensitive individuals. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content % | Classification (67/548/EEC) |
|-----------------------------|-----------|------------|-----------|--|
| Hydrocarbons, C9, Aromatics | 918-668-5 | 64742-95-6 | 25-50% | Xn;R65. Xi;R37. N;R51/53. R10,R66,R67. |
| XYLENE | 215-535-7 | 1330-20-7 | 10-25% | R10 Xn;R20/21 Xi;R38 |
| CYCLOHEXANONE | 203-631-1 | 108-94-1 | 5-10% | R10 Xn;R20 |
| ISO-BUTANOL | 201-148-0 | 78-83-1 | < 1% | R10 Xi;R37/38,R41 R67 |

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

INHALATION

Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

SKIN CONTACT

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

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EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|---------------|-----|-------------|---------------|---------------|---------------|-------|
| | | | | | | |
| CYCLOHEXANONE | WEL | 10 ppm(Sk) | | 20 ppm(Sk) | | |
| ISO-BUTANOL | WEL | 50 ppm | 154 mg/m3 | 75 ppm | 231 mg/m3 | |
| XYLENE | WEL | 50 ppm(Sk) | 220 mg/m3(Sk) | 100 ppm(Sk) | 441 mg/m3(Sk) | Sk |

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

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HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------|------------------------------|
| APPEARANCE | Liquid |
| COLOUR | Colourless. |
| ODOUR | Characteristic. Hydrocarbon. |
| SOLUBILITY | Immiscible with water |
| RELATIVE DENSITY | 0.96 Approx. @20°C. |
| VAPOUR DENSITY (air=1) | Heavier than air |
| FLASH POINT (°C) | 42°C. CC (Closed cup). |
| FLAMMABILITY LIMIT - LOWER(%) | 0.8 |
| FLAMMABILITY LIMIT - UPPER(%) | 8.0 |

10 STABILITY AND REACTIVITY

STABILITY

No particular stability concerns.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. May cause sensitisation by inhalation.

INGESTION

Gastrointestinal symptoms, including upset stomach. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

EYE CONTACT

Irritation of eyes and mucous membranes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

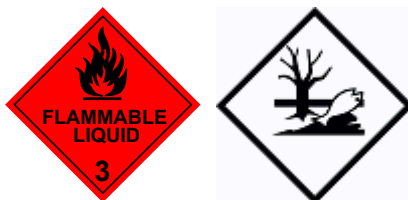
Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

14 TRANSPORT INFORMATION

ARDENBRITE PROTECTIVE GLAZE



| | |
|----------------------|-------------------------------------|
| PROPER SHIPPING NAME | PAINT (Hydrocarbons, C9, Aromatics) |
| UN NO. ROAD | 1263 |
| ADR CLASS | Not dangerous according to ADR. |
| UN NO. SEA | 1263 |
| IMDG CLASS | 3 |
| IMDG PACK GR. | III |
| UN NO. AIR | 1263 |
| AIR CLASS | 3 |
| AIR PACK GR. | III |

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

RISK PHRASES

| | |
|--------|---|
| R10 | Flammable. |
| R20 | Harmful by inhalation. |
| R37 | Irritating to respiratory system. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R66 | Repeated exposure may cause skin dryness or cracking. |

SAFETY PHRASES

| | |
|--------|--|
| S2 | Keep out of the reach of children. |
| S13 | Keep away from food, drink and animal feeding stuffs. |
| S29/56 | Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| S37 | Wear suitable gloves. |
| S46 | If swallowed, seek medical advice immediately and show this container or label. |
| S51 | Use only in well-ventilated areas. |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |
| S64 | If swallowed, rinse mouth with water (only if the person is conscious). |

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

16 OTHER INFORMATION

INFORMATION SOURCES

Croner's Emergency Spillage Guide Croner's Emergency First Aid Guide Croner's Substances Hazardous to Health

REVISION COMMENTS

Corrected Product Transport information.

ISSUED BY

T Smith

REVISION DATE 09/11/2011

REV. NO./REPL. SDS GENERATED 7

ARDENBRITE PROTECTIVE GLAZE

SDS NO. 11365

SAFETY DATA SHEET STATUS

Approved.

DATE 05/05/2010

RISK PHRASES IN FULL

| | |
|--------|---|
| R10 | Flammable. |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R20 | Harmful by inhalation. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R37/38 | Irritating to respiratory system and skin. |
| R37 | Irritating to respiratory system. |
| R38 | Irritating to skin. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R41 | Risk of serious damage to eyes. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67 | Vapours may cause drowsiness and dizziness. |

DISCLAIMER

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.