



## Advantage® OptiSeal Sealing Primer (Part B)



A unique primer which can be applied directly after final rinse to encapsulate asbestos fibres immediately and seal porous surfaces.

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

#### 1.1 Product Identifier

Product Name:	Advantage® OptiSeal Sealing Primer - Part B
Product Number:	ATAVAP

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Users:	Coating for Roof Maintenance & Repair
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#### 1.3 Details of the Supplier of the Safety Data Sheet

Supplier:	Alltimes Coatings Limited, Units C & D, Station Road Industrial Estate, South Woodchester, Stroud, Gloucestershire. GL5 5EQ. UK
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#### 1.4 Emergency Contact Numbers

Telephone:	01455 272 278
Mobile:	07773 329 424

## SECTION 2: Hazards Identification

### 2.1 Classification of the Substance or Mixture Classification (EC 1272/2008)

Physical Hazards:	Not Classified
Health Hazards:	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental Hazards:	Aquatic Chronic 2 - H411
Classification (67/548/EEC or 1999/45/EC):	Xi;R36/38. R43. N;R51/53
Human Health:	Prolonged skin contact may cause temporary irritation.
Environmental:	The product contains a substance which is harmful to aquatic organisms.
Physicochemical:	See Section 7.2 Storage Class. See Section 5.2 Hazardous combustion products. See Section 10 Stability and reactivity.

### 2.2 Label Elements

Pictogram:	
Signal Word:	Warning
Hazard Statements:	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements:	P261 Avoid breathing vapour/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P308+P313 IF exposed or concerned: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P391 Collect spillage. P501 Dispose of contents/container in accordance with national regulations.
Supplemental Label Information:	EUH205 Contains epoxy constituents. May produce an allergic reaction.
Contains:	EPOXY RESIN (Number average MW <= 700)
Supplementary Precautionary Statements:	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up.

### 2.3 Other Hazards

Other Hazards:	This product does not contain any substances classified as PBT or vPvB.
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## SECTION 3: Composition/Information on Ingredients

### 3.1 Mixtures

<b>EPOXY RESIN (No. Average MW &lt;= 700)</b>	60 - 100%
<b>CAS Number:</b>	25068-38-6
<b>EC Number:</b>	500-033-5
<b>REACH Registration Number:</b>	-
<b>Classification (67/548/EEC or 1999/45/EC):</b>	R43 Xi;R36/38 N;R51/53
<b>Classification:</b>	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

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:</b>	The severity of the symptoms described will vary depending on the concentration and the length of exposure. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation:</b>	Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Show this Safety Data Sheet to the medical personnel.
<b>Ingestion:</b>	Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.
<b>Skin Contact:</b>	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. Use barrier creams to prevent skin contact. Remove contaminated clothing and rinse skin thoroughly with water.
<b>Eye Contact:</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.
<b>Protection of First Aiders:</b>	First aid personnel should wear appropriate protective equipment during any rescue. In case of insufficient ventilation, wear suitable respiratory equipment.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

<b>General:</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. See Section 11 for additional information on health hazards.
<b>Inhalation:</b>	Harmful if inhaled. Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion:</b>	Harmful if swallowed. May cause nausea, stomach pain and vomiting.
<b>Skin Contact:</b>	Skin irritation. May cause sensitisation or allergic reactions in sensitive individuals.
<b>Eye Contact:</b>	May cause severe eye irritation.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

<b>Notes of the Doctor:</b>	No specific recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY! In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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## SECTION 5: Firefighting Measures

### 5.1 Extinguishing Media

<b>Suitable Extinguishing Media:</b>	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with foam, carbon dioxide or dry powder.
<b>Unsuitable Extinguishing Media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2 Special Hazards Arising from the Substance or Mixture

<b>Specific Hazards:</b>	The pressure in sealed containers can increase under the action of heat. The material will not support combustion unless the water has evaporated.
<b>Hazardous Combustion Products:</b>	In case of fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) may be formed. Acrid smoke or fumes. Other pyrolysis products typical of burning an organic material. Harmful gases or vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . In the event of a fire and/or explosion, do not breathe fumes.

### 5.3 Advice for Firefighters

<b>Protective Actions During Firefighting:</b>	Keep up-wind to avoid fumes. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Containers close to fire should be removed or cooled with water. If risk of water pollution occurs, notify appropriate authorities. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken without appropriate training or involving any personal risk.
<b>Special Protective Equipment for Firefighters:</b>	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

<b>Personal Precautions:</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Where anti slip aggregates, powders or similar are added/post added to a paint, the potential for the generation of respirable dust during handling and use can occur. In such cases, occupational exposures to respirable dust should be monitored and controlled. In the case of exposure to prolonged or high levels of air borne dust, wear a personal respirator in compliance with national legislation. No smoking, sparks, flames or other sources of ignition near spillage.
<b>For Non-Emergency Personnel:</b>	Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear suitable respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
<b>For Emergency Personnel:</b>	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental Precautions

<b>Environmental Precautions:</b>	Do not discharge into drains or watercourses or onto the ground.
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## 6.3 Methods & Material for Containment and Cleaning

<b>Methods for Cleaning Up:</b>	No smoking, sparks, flames or other sources of ignition near spillage. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. 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. If involved in a fire, shut off flow if it can be done without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Small Spillages: Absorb small quantities with paper towels and evaporate in a safe place. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. The accumulation of contaminated rags and application cloths may result in spontaneous combustion. This is particularly important in the case of products containing a high level of drying oils such as teak oil, linseed oil etc. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.
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## 6.4 Reference to Other Sections

<b>Reference to Other Sections:</b>	Wear protective clothing as described in Section 8 of this safety data sheet. 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

<b>Usage Precautions:</b>	No specific recommendations. Observe good housekeeping practices. Avoid contact with skin and eyes. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. All handling should only take place in well-ventilated areas.
<b>Advice on General Occupational Hygiene</b>	Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

<b>Storage Precautions:</b>	Protect from freezing and direct sunlight. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 5°C and 35°C (32 to 95°F). Containers which have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination. Avoid/separate from oxidising agents. Observe the label precautions.
<b>Storage Class:</b>	Flammable liquid storage.

### 7.3 Specific End Use(s)

<b>Specific End Use(s):</b>	The identified uses for this product are detailed in Section 1.2. Restricted to professional users.
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## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Exposure Controls

Appropriate Engineering Controls:	No specific ventilation requirements noted but forced ventilation may still be required if air contamination exceeds acceptable level.
Personal Protection:	Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure scenario.
Eye/Face Protection:	The following protection should be worn: Chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
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. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other Skin & Body Protection:	Wear appropriate clothing to prevent reasonably probable skin contact. Use barrier creams to prevent skin contact.
Hygiene Measures:	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when handling this product.
Respiratory Protection:	If ventilation is inadequate, suitable respiratory protection must be worn. 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.
Environmental Exposure:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Appearance:	Liquid
Colour:	White
Odour:	Mild (or faint)
Odour Threshold:	Not determined
pH:	Not relevant
Melting Point:	Not applicable
Initial Boiling Point and Range:	Not determined
Flash Point:	Not determined
Evaporation Rate:	Not determined
Evaporation Factor:	Not determined
Flammability:	No information available
Upper/Lower Flammability or Explosive Limits:	Not determined
Other Flammability:	No specific test data are available
Vapour Pressure:	Not determined
Vapour Density:	Not determined

Relative Density:	0.95 - 1.05 20°C
Bulk Density:	Not determined
Solubility(ies):	Miscible with water.
Partition Coefficient:	Not available
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined
Explosive Properties:	Not considered to be explosive.
Explosive Under the Influence of a Flame:	Not considered to be explosive.
Oxidising Properties:	Not determined
Comments:	Not considered to be explosive.

## 9.2 Other Information

Volatile Organic Compound:	Paints are dilutable with water. Store at temperatures above 5°C (32°F). Protect from freezing.
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## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
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### 10.2 Chemical Stability

Stability:	Stable at normal ambient temperatures and when used as recommended. Further information on correct storage: refer to Section 7.
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### 10.3 Possibility of Hazardous Reactions

Possibility of Hazardous Reactions:	None under normal processing.
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### 10.4 Conditions to Avoid

Conditions to Avoid:	Avoid freezing. Avoid heat, flames and other sources of ignition. Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to conditions to heat or sources of ignition. Avoid extremes of temperature and direct sunlight. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> .
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### 10.5 Incompatible Materials

Materials to Avoid:	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6 Hazardous Decomposition Products

Hazardous Decomposition Products:	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Oxides of nitrogen. Acrid smoke or fumes. In case of fire and/or explosion, do not breathe fumes.
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## SECTION 11: Toxicological Information

### 11.1 Information on Toxicological Effects Acute Toxicity

<b>Toxicological Effects:</b>	Based on the properties of the epoxy constituents and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. It contains low molecular epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possibly with cross-sensitisation to other epoxies. Skin contact with the preparation and exposure to spray mist and vapour should be avoided.
<b>General:</b>	This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation:</b>	Irritating to respiratory system.
<b>Ingestion:</b>	Irritating. May cause nausea, stomach pain and vomiting.
<b>Skin Contact:</b>	Repeated exposure may cause skin dryness and cracking.
<b>Eye Contact:</b>	Irritating to eyes.
<b>Acute and Chronic Health Hazards:</b>	The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals. May cause sensitisation by skin contact. Irritating to skin. Irritating to eyes.
<b>Route of Entry:</b>	Ingestion. Skin and/or eye contact. Oral.
<b>Additional Information:</b>	For further information, please refer to Sections 4 and 8 respectively.

## SECTION 12: Ecological Information

### 12.1 Toxicity

<b>Toxicity:</b>	This product contains substances which are harmful to aquatic organisms. Do not discharge into drains, water courses or onto the ground.
<b>EPOXY RESIN (No. Average MW &lt;= 700)</b>	
<b>Toxicity:</b>	This product contains substances which are harmful to aquatic organisms. Do not discharge into drains, water courses or onto the ground. The acute aquatic toxicity data is based on the values for the epoxy resin (number av. mol. wt. <=700).
<b>Acute Toxicity - Fish:</b>	LC50 96 hours 1.3 mmg/lit (Fish - Trout)
<b>Acute Toxicity - Aquatic Invertebrates:</b>	EC50 48 hours 2.1 mg/lit (Daphnia)
<b>Acute Toxicity - Aquatic Plants:</b>	No information available
<b>Acute Toxicity - Mircoorganisms:</b>	LC50 72 hours > 11 mg/lit (Algae)
<b>Acute Toxicity - Terrestrial:</b>	No information available

### 12.2 Ecological Information

<b>Persistence and Degradability:</b>	Solvent will evaporate, residue will not readily biodegrade. There are no data on the degradability of this product.
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### 12.3 Bioaccumulative Potential

<b>Bioaccumulative Potential:</b>	No data available on bioaccumulation.
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### 12.4 Mobility in Soil

<b>Mobility:</b>	The product is insoluble in water. Mobile liquid, solvent will evaporate leaving a semi-solid mass.
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## 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.
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## 12.6 Other Adverse Effects

Other Adverse Effects:	-
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## SECTION 13: Disposal Considerations

### 13.1 Waste Treatment Methods

General Information:	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. The generation of waste should be minimised or avoided wherever possible. The company encourages the recycle, recovery and reuse of materials, wherever possible.
Disposal Methods:	Avoid the spillage or runoff entering drains, sewers or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Dispose of contents/container in accordance with local regulations. Waste product should not be discharged directly into drains or water courses without treatment, chemical precipitation/flocculation. Remove the clear supernatant and flush to a chemical sewer. The precipitate is not hazardous. Dispose at a permitted facility in accordance with local and national regulations.

## SECTION 14: Transport Information

General:	No special precautions. This product is not classified as hazardous for transportation. This product is not classified as dangerous according to international transport regulations (ADR/RID, ADN, IMDG, ICAO/IATA). To avoid the risk of spillage, always store and transport in a secure, upright position. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
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### 14.1 UN Number

UN Number:	3082 (ADR/RID, IMDG, ICAO, ADN)
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### 14.2 UN Proper Shipping Name

UN Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
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### 14.3 Transport Hazard Class(es)

Transport Hazard Class(es):	9 (ADR/RID, IMDG, ICAO, ADN). M6 (ADR/RID).
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### 14.4 Packaging Group

Packaging Group:	III (ADR/RID, IMDG, ICAO, ADN)
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### 14.5 Environmental Hazards

Environmental Hazards:	Environmentally hazardous substance/marine pollutant.
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## 14.6 Special Precautions for User

EmS:	F-A, S-F
Emergency Action Code:	•3Z
Hazard Identification Number:	90 (ADR/RID)
Tunnel Restriction Code:	(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.
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### SECTION 15: Regulatory Information

#### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

National Regulations:	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972. Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste) Regulations 1980 (as amended). Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU Legislation:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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 453/2010 of 20 May 2010.
Guidance:	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

## SECTION 16: Other Information

### 16.1 Other Information

General Information:	The product may contain low levels of volatile organic compounds or ammonia which may evaporate during application and drying. Recommended storage between 5°C and 35°C. Protect from direct sunlight.
Issued By:	BOD
Revision Date:	07/04/2015
Revision:	0
SDS Number:	10276
Risk Phrases in Full:	R36/38 Irritating to eyes and skin. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements in Full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.



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*No responsibility can be taken by the manufacturers where conditions of use are beyond our control. All products should be used in accordance with the manufacturer's instructions. For further information please refer to the application guide and Material Safety Data Sheet. This information and guidance is given in good faith and without prejudice and liability, Technical and Safety Data must be observed. All coverages are given as a guide only, as volumes will vary with profile, porosity and method of application. Loss factors should also be taken into account.*