



SAFETY DATA SHEET

FEB AQUASEAL FIRMAFIX

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Revision No: 1

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

Product name: FEB AQUASEAL FIRMAFIX
Company name: EVERBUILD BUILDING PRODUCTS LTD
SITE 41, KNOWSTHORPE WAY
CROSS GREEN INDUSTRIAL ESTATE
LEEDS
WEST YORKSHIRE
LS9OSW
ENGLAND
Tel: 0044 113 240 3456
Fax: 0044 113 240 0024
Emergency tel: 0044 113 240 3456 (office hours only)
Email: paul@everbuild.co.uk

2. HAZARDS IDENTIFICATION

Main hazards: Flammable. Limited evidence of a carcinogenic effect. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: BITUMEN (WHEN IN SOLVENT SOLUTION) 50-70%
EINECS: 265-196-4 CAS: 64742-93-4
[Xn] R40; [-] R10

- WHITE SPIRITS, NAPHTHA (PETROLEUM) 30-50%
CAS: 64742-82-1
[-] R10; [N] R51/53; [Xn] R65; [-] R66; [-] R67

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.
Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

[cont...]

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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical powder. Carbon dioxide. Alcohol or polymer foam.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools.

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Store in original containers between +5 and +25°C. Storage outside these parameters will dramatically reduce shelf life and invalidates all product warranties.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: WHITE SPIRITS, NAPHTHA (PETROLEUM)
WEL (8 hr TWA): 600mg/m³

Engineering measures: The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141). must be worn if vapour concentration is above OES or if ventilation is poor

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Black

Odour: Characteristic odour

Evaporation rate: Moderate

Solubility in water: Insoluble

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Also soluble in: Most organic solvents.**Viscosity:** Non-viscous**Flammability limits %: lower:** 0.9**upper:** 8**Flash point°C:** 40**Autoflammability°C:** 230**Vapour pressure:** n.d**Relative density:** 1.0**pH:** n/a**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Heat. Direct sunlight. Sources of ignition.**Materials to avoid:** Strong oxidising agents. Strong acids.**Haz. decomp. products:** In combustion emits toxic fumes.**11. TOXICOLOGICAL INFORMATION****Chronic toxicity:** Bitumen is not classified as hazardous to health under current EEC guidelines. However, when diluted with solvent, bioavailability is thought to increase. It is therefore recommended that this preparation is classified as a cat 3 carcinogen. Danger of cumulative effects in contact with the skin. Danger of serious damage to health by prolonged exposure in contact with skin.**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Mobility:** Readily absorbed into soil.**Persistence and degradability:** No data available.**Bioaccumulative potential:** No data available.**Other adverse effects:** Toxic to aquatic organisms.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Dispose of according to local or national legislation**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** 1999**ADR Class:** 3**Packing group:** III**Classification code:** F1**Shipping name:** TARS, LIQUID**Labelling:** 3**Hazard ID no:** 33

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IMDG / IMO

UN no: 1999 **Class:** 3
Packing group: III **EmS:** 3-05
Marine pollutant: .
Labelling: 3

IATA / ICAO

UN no: 1999 **Class:** 3
Packing group: III
Packing instructions: 309(P&CA); 310(PAO)
Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Harmful.
 Dangerous for the environment.



Risk phrases: R10: Flammable.
 R40: Limited evidence of a carcinogenic effect.
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65: Harmful: may cause lung damage if swallowed.
 R66: Repeated exposure may cause skin dryness or cracking.
 R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.
 S7: Keep container tightly closed.
 S23: Do not breathe ...
 S29: Do not empty into drains.
 S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
 S46: If swallowed, seek medical advice immediately and show this container or label.
 S53: Avoid exposure - obtain special instructions before use.

Haz. ingredients (label): BITUMEN (WHEN IN SOLVENT SOLUTION); WHITE SPIRITS, NAPHTHA (PETROLEUM)

Note: The regulatory information given above only indicates the principal regulations specifically

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applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.3: R40: Limited evidence of a carcinogenic effect.

R10: Flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.