

# SAFETY DATA SHEET

FIRE FOAM B1 - HAND HELD AND GUN GRADE

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Issued: 15.10.04

Revision No: 4

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

**Product name:** FIRE FOAM B1 - HAND HELD AND GUN GRADE

**Product code:** EVFIRE

**Use / description of product:** Highly flammable or extremely flammable. Harmful.

**Company name:** EVERBUILD BUILDING PRODUCTS LTD

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CROSS GREEN INDUSTRIAL ESTATE

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** DIMETHYL ETHER 10-30%

EINECS: 204-065-8 CAS: 115-10-6

[F+] R12

- POLYMETHYLENEPOLYPHENYLISOCYANATE 10-30%

CAS: 9016-87-9

[Xn] R20; [Xi] R36/37/38; [Sens.] R42/43

- TRIS(2-CHLORO-1-METHYLETHYL)PHOSPHATE 10-30%

CAS: 13674-84-5

[-] R52/53

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Extremely flammable. Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

[cont...]

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**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

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

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

**Exposure hazards:** Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

**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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

**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. Do not use equipment in clean-up procedure which may produce sparks. Allow product to solidify and remove it by mechanical means. Remove uncured foam with acetone. 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. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition. 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:** DIMETHYL ETHER

TWA (8 hr exposure limit): 766 mg/m<sup>3</sup> STEL (15 min exposure limit): 958 mg/m<sup>3</sup> (OES)

- POLYMETHYLENEPOLYPHENYLISOCYANATE

TWA (8 hr exposure limit): 0.002 mg/m<sup>3</sup> STEL (15 min exposure limit): 0.007 mg/m<sup>3</sup> (OES)

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141). must be worn if vapour concentration is above OES or if ventilation is poor Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

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

**Skin protection:** Impermeable protective clothing.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Aerosol

**Colour:** Pink

**Odour:** Barely perceptible odour

**Solubility in water:** Insoluble

**Viscosity:** Highly viscous

**Flash point°C:** -4

#### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of hydrogen cyanide.

#### 11. TOXICOLOGICAL INFORMATION

**Chronic toxicity:** May cause sensitisation by inhalation. May cause sensitisation by skin contact. Contains substance with uncertain carcinogenic properties (polymethylenpolyphenylisocyanate)

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

#### 12. ECOLOGICAL INFORMATION

**Mobility:** VOC 20% w/w

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** Not dangerous to ozone layer (1999/45/EC)

#### 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J L47 of 16/2/2002): 08 05 01 (waste isocyanates)

**Disposal of packaging:** Waste material code packaging (91/689/EEC); Council decision 2001/118/EC, O.J L47 of 16/2/2001) 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

**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:** 1950 **ADR Class:** 2  
**Classification code:** 5F  
**Shipping name:** AEROSOLS  
**Labelling:** 2.1

**IMDG / IMO**

**UN no:** 1950 **Class:** 2  
**EmS:** 2-13 **Marine pollutant:** .  
**Labelling:** 2.1

**IATA / ICAO**

**UN no:** 1950 **Class:** 2  
**Labelling:** 2.1

**15. REGULATORY INFORMATION**

**Hazard symbols:** Extremely flammable.  
Harmful.



**Risk phrases:** R12: Extremely flammable.  
R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R42/43: May cause sensitisation by inhalation and skin contact.

**Safety phrases:** S2: Keep out of the reach of children.  
S23: Do not breathe vapour.  
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.  
S38: In case of insufficient ventilation, wear suitable respiratory equipment.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S51: Use only in well-ventilated areas.  
S56: Dispose of this material and its container to hazardous or special waste collection point.

**Precautionary phrases:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

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Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Contains isocyanates. See information supplied by the manufacturer.

**Note:** The regulatory information given above only indicates the principal regulations specifically 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.2:** R12: Extremely flammable.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitisation by inhalation and skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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.