

SAFETY DATA SHEET
GUN GRADE EXPANDING FOAM

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

Product name: GUN GRADE EXPANDING FOAM

Product code: EVGF7

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

Company name: EVERBUILD BUILDING PRODUCTS LTD

SITE 41, KNOWSTHORPE WAY

CROSS GREEN INDUSTRIAL ESTATE

LEEDS

WEST YORKSHIRE

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: DIMETHYL ETHER 1-10%

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

[F+] R12

- DIPHENYLMETHANE-4,4'-DI-ISOCYANATE 10-30%

EINECS: 202-966-0 CAS: 101-68-8

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

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. 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. Remove/soften cured foam from skin with petroleum jelly or via constant softening with hot soapy water

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.

[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: 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/m³ STEL (15 min exposure limit): 958 mg/m³ (OES)

- DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

TWA (8 hr exposure limit): 0.02 mg/m³ STEL (15 min exposure limit): 0.07 mg/m³ (OES)

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

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.

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- 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: Yellow
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

- Hazardous ingredients:** DIPHENYLMETHANE-4,4'-DI-ISOCYANATE
ORL MUS LD50 2200 mg/kg
ORL RAT LD50 9200 mg/kg
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: Negligible ecotoxicity. 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: F-D,S-U **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.
R36/37/38: Irritating to eyes, respiratory system and skin.
R42/43: May cause sensitisation by inhalation and skin contact.

Safety phrases: S23: Do not breathe vapour.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
S51: Use only in well-ventilated areas.
S2: Keep out of the reach of children.
S16: Keep away from sources of ignition - No smoking.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Precautionary phrases: Contains isocyanates. See information supplied by the manufacturer.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
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.

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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.

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.