

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

### 1.1. Product identifier

**Product name:** GUN GRADE EXPANDING FOAM

**Product code:** EVGF7

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Filling, fixing and insulating gaps and cavities.

### 1.3. Details of the supplier of the safety data sheet

**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

**Email:** sds@everbuild.co.uk

### 1.4. Emergency telephone number

**Emergency tel:** 0044 113 240 3456 (office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CHIP:** F: R11; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20; N: R51/53; -: R64

**Classification under CLP:** Carc. 2: H351; Eye Irrit. 2: H319; Lact.: H362; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; Flam. Aerosol 1: H222; STOT SE 3: H335; Aquatic Chronic 4: H413; -: H229; -: EUH204

**Most important adverse effects:** Highly flammable. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause harm to breastfed babies.

### 2.2. Label elements

**Label elements under CLP:**

**Hazard statements:** H229: Pressurised container: May burst if heated  
H315: Causes skin irritation.

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H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351: Suspected of causing cancer.  
H362: May cause harm to breast-fed children.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H413: May cause long lasting harmful effects to aquatic life.  
H222: Extremely flammable aerosol.  
H335: May cause respiratory irritation.  
EUH204: Contains isocyanates. May produce an allergic reaction.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



**Precautionary statements:** P211: Do not spray on an open flame or other ignition source.  
P251: Pressurized container: Do not pierce or burn, even after use.  
P260: Do not breathe vapours.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P263: Avoid contact during while nursing.  
P264: Wash contaminated skin thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P308+313: IF exposed or concerned: Get medical advice/attention.  
P332+313: If skin irritation occurs: Get medical advice.  
P337+313: If eye irritation persists: Get medical attention.  
P363: Wash contaminated clothing before reuse.  
P403+233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P501: Dispose of contents/container to hazardous waste point.

**Label elements under CHIP:**

[cont...]

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**Hazard symbols:** Flammable.

Dangerous for the environment.

Harmful.



**Risk phrases:** R11: Highly flammable.

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

R40: Limited evidence of a carcinogenic effect.

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

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

R64: May cause harm to breastfed babies.

**Safety phrases:** S2: Keep out of the reach of children.

S29: Do not empty into drains.

S36/37: Wear suitable protective clothing and gloves.

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.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

**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.

### 2.3. Other hazards

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

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

[cont...]

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DIMETHYL ETHER

EINECS	CAS	CHIP Classification	CLP Classification	Percent
204-065-8	115-10-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%

PROPANE

200-827-9	74-98-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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ISOBUTANE

200-857-2	75-28-5	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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ALKANES, C14-17, CHLORO

287-477-0	85535-85-9	-: R64; -: R66; N: R50/53	Lact.: H362; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	10-30%
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DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

-	9016-87-9	Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	10-30%
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TRIS(2-CHLORO-1-METHYLETHYL)PHOSPHATE

-	13674-84-5	Xn: R22; Xi: R37	Acute Tox. 4: H302	1-10%
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**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Remove/soften cured foam from skin with petroleum jelly or via constant softening with hot soapy water For persistent irritation seek medical advice.

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

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If symptoms persist seek medical advice.

**4.2. Most important symptoms and effects, both acute and delayed**

**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.

[cont...]

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

**4.3. Indication of any immediate medical attention and special treatment needed**

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

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

**5.2. Special hazards arising from the substance or mixture**

**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.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**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.

**6.2. Environmental precautions**

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

**6.3. Methods and material for containment and cleaning up**

**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. Take up residues with absorbent material (e.g. sand, vermiculite). Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**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.

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**7.2. Conditions for safe storage, including any incompatibilities**

**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.

**7.3. Specific end use(s)**

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

**DIMETHYL ETHER**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	766 mg/m <sup>3</sup>	958 mg/m <sup>3</sup>	-	-

**PROPANE**

UK	1800 mg/m <sup>3</sup>	7200 mg/m <sup>3</sup>	-	-
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**ISOBUTANE**

UK	2400 mg/m <sup>3</sup>	9600 mg/m <sup>3</sup>	-	-
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**DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)**

UK	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-
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**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**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.

**Hand protection:** Impermeable gloves.

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

**Skin protection:** Impermeable protective clothing.

**Section 9: Physical and chemical properties**

[cont...]

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**9.1. Information on basic physical and chemical properties**

**State:** Aerosol

**Colour:** Yellow

**Odour:** Characteristic odour

**Solubility in water:** Reacts with water.

**Flash point°C:** <21

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Because of the high vapour pressure, containers are liable to burst if temperature rises.  
Formation of explosive gas/air mixtures.

**10.4. Conditions to avoid**

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

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)**

ORL	RAT	LD50	49	gm/kg
SKN	RBT	LD50	>9400	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT INH DRM	Hazardous: calculated

[cont...]

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Sensitisation	INH DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

**Symptoms / routes of exposure**

**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.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

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

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**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)

**Waste code number:** 16 05 04

**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.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1950

[cont...]



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**14.2. UN proper shipping name**

Shipping name: AEROSOLS

**14.3. Transport hazard class(es)**

Transport class: 2

**14.4. Packing group**

**14.5. Environmental hazards**

Environmentally hazardous: Yes

Marine pollutant: No

**14.6. Special precautions for user**

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH204: Contains isocyanates. May produce an allergic reaction.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H362: May cause harm to breast-fed children.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

[cont...]

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H410: Very toxic to aquatic life with long lasting effects.  
H413: May cause long lasting harmful effects to aquatic life.  
R11: Highly flammable.  
R12: Extremely flammable.  
R20: Harmful by inhalation.  
R22: Harmful if swallowed.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R37: Irritating to respiratory system.  
R40: Limited evidence of a carcinogenic effect.  
R42/43: May cause sensitisation by inhalation and skin contact.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R64: May cause harm to breastfed babies.  
R66: Repeated exposure may cause skin dryness or cracking.

**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human  
MAM = mammal  
PGN = pigeon  
IVN = intravenous  
SCU = subcutaneous  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
PCP = physico-chemical properties

[cont...]

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**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.