

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**Everbuild Fire Foam B1 - Hand Held and Gun Grade - Alternative Supplier**



BUILDING TRUST



Revision Date 07.12.2017

Version 1.0

Print Date 19.12.2017

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

### 1.1 Product identifier

Trade name : Everbuild Fire Foam B1 - Hand Held and Gun Grade - Alternative Supplier

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

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

Company : Everbuild – A Sika Company  
Site 41  
Knowsthorpe Way  
Cross Green Industrial Estate  
Leeds  
West Yorkshire LS9 0SW  
United Kingdom

Telephone : 0113 240 3456

E-mail address : everbuild.sds@uk.sika.com

### 1.4 Emergency telephone number

Emergency telephone number : 0044 113 240 3456 (office hours only)

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Type of product : Mixture

#### Classification (REGULATION (EC) No 1272/2008)

|                                       |  |
|---------------------------------------|--|
| Aerosols, Category 2                  | H223: Flammable aerosol.<br>H229: Pressurised container: May burst if heated.    |
| Acute toxicity, Category 4            | H332: Harmful if inhaled.  |
| Skin irritation, Category 2           | H315: Causes skin irritation.  |
| Eye irritation, Category 2            | H319: Causes serious eye irritation.   |
| Respiratory sensitisation, Category 1 | H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin sensitisation, Category 1        | H317: May cause an allergic skin reaction.                                       |
| Carcinogenicity, Category 2           | H351: Suspected of causing cancer.   |

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Specific target organ toxicity - single exposure, Category 3, Respiratory system

H335: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure, Category 2

H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Danger

Hazard statements

: H223 Flammable aerosol.  
H229 Pressurised container: May burst if heated.  
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.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements

: P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
**Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

**Storage:**

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P405 Store locked up.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:**  
P501 Dispose of contents/container in accordance with local regulation.

Hazardous components which must be listed on the label:

- 9016-87-9 Diphenylmethanediisocyanate, isomeres and homologues

### Additional Labelling:

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.  
Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.  
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

| Chemical name<br>CAS-No.<br>EC-No.<br>Registration number         | Classification<br>(REGULATION (EC)<br>No 1272/2008)   | Concentration<br>[%] |
|---|---|----------------------|
| Diphenylmethanediisocyanate, isomeres and homologues<br>9016-87-9 | Acute Tox.4; H332<br>Skin Irrit.2; H315<br>Eye Irrit.2; H319<br>Resp. Sens.1; H334<br>Skin Sens.1; H317<br>Carc.2; H351<br>STOT SE3; H335<br>STOT RE2; H373 | >= 25 - < 40         |
| propane<br>74-98-6<br>200-827-9                                   | Flam. Gas1; H220  | >= 10 - < 20         |
| isobutane<br>75-28-5<br>200-857-2                                 | Flam. Gas1; H220  | >= 10 - < 20         |
| tris(2-chloro-1-methylethyl) phosphate                            | Acute Tox.4; H302   | >= 10 - < 20         |

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|  |                  |              |
|--|------------------|--------------|
| 13674-84-5<br>911-815-4<br>01-2119486772-26-XXXX |                  |              |
| Substances with a workplace exposure limit :     |                  |              |
| dimethyl ether<br>115-10-6<br>204-065-8          | Flam. Gas1; H220 | >= 10 - < 20 |

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Do not induce vomiting without medical advice.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Asthmatic appearance  
Cough  
Respiratory disorder  
Allergic reactions  
Excessive lachrymation  
Erythema  
Headache  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.
- Risks : irritant effects  
sensitising effects  
  
Causes skin irritation.

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May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.  
Suspected of causing cancer.  
May cause damage to organs through prolonged or repeated exposure if inhaled.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

Unsuitable extinguishing media : Water

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Deny access to unprotected persons.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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## 6.3 Methods and materials for containment and cleaning up

## 6.4 Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on a naked flame or any incandescent material. Take precautionary measures against electrostatic discharges.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Store in accordance with local regulations.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Consult most current local Product Data Sheet prior to any use.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

| Components   | CAS-No.   | Value | Control parameters *             | Basis * |
|--|-----------|-------|----------------------------------|---------|
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9 | TWA   | 0,02 mg/m <sup>3</sup>           | GB EH40 |
|  |           | STEL  | 0,07 mg/m <sup>3</sup>           | GB EH40 |
| dimethyl ether                                       | 115-10-6  | TWA   | 400 ppm<br>766 mg/m <sup>3</sup> | GB EH40 |
|  |           | STEL  | 500 ppm<br>958 mg/m <sup>3</sup> | GB EH40 |

#### Biological occupational exposure limits

| Substance name                                       | CAS-No.   | Control parameters                                   | Sampling time | Basis          |
|--|-----------|--|---------------|----------------|
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9 | urinary diamine:<br>1 µmol/mol creatinine<br>(Urine) | Post task     | GB EH40<br>BAT |

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166  
Eye wash bottle with pure water

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Suitable for short time use or protection against splashes:  
Butyl rubber/nitrile rubber gloves (0,4 mm),  
Contaminated gloves should be removed.  
Suitable for permanent exposure:  
Viton gloves (0.4 mm),  
breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers).

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Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
organic vapor (Type A) and particulate filter  
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm  
P1: Inert material; P2, P3: hazardous substances  
Ensure adequate ventilation, especially in confined areas.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : Aerosol containing a liquefied gas  
Colour : light yellow  
Odour : hydrocarbon-like  
Odour Threshold : No data available  
Flash point : 0 °C  
Autoignition temperature : No data available  
Decomposition temperature : No data available  
Lower explosion limit (Vol-%) : No data available  
Upper explosion limit (Vol-%) : No data available  
Flammability : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
pH : No data available  
Melting point/range / Freezing point : No data available  
Boiling point/boiling range : No data available  
Vapour pressure : 5000 hPa



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|  |   |                                     |
|--|---|-------------------------------------|
| Density                                    | : | ca.16 g/cm <sup>3</sup><br>at 20 °C |
| Water solubility                           | : | No data available                   |
| Partition coefficient: n-<br>octanol/water | : | No data available                   |
| Viscosity, dynamic                         | : | No data available                   |
| Viscosity, kinematic                       | : | Not applicable                      |
| Relative vapour density                    | : | No data available                   |
| Evaporation rate                           | : | No data available                   |

## 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Harmful if inhaled.

#### Components:

#### **Diphenylmethanediisocyanate, isomeres and homologues:**

Acute oral toxicity : LD50 Oral (Rat): > 10.000 mg/kg

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Acute inhalation toxicity : Acute toxicity estimate: 1,5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgement

Acute dermal toxicity : LD50 Dermal (Rabbit): > 9.400 mg/kg

### **Skin corrosion/irritation**

Causes skin irritation.

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Respiratory or skin sensitisation**

Skin sensitisation: May cause an allergic skin reaction.

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

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Suspected of causing cancer.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

May cause respiratory irritation.

### **STOT - repeated exposure**

May cause damage to organs through prolonged or repeated exposure if inhaled.

### **Aspiration toxicity**

Not classified based on available information.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

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

#### **Product:**

Assessment : This substance/mixture contains no components considered

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to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Other adverse effects

### Product:

Additional ecological information : There is no data available for this product.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized wherever possible.  
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.  
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.  
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

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## SECTION 14: Transport information

### ADR

14.1 UN number : 1950  
14.2 UN proper shipping name : AEROSOLS  
14.3 Transport hazard class(es) : 2  
Classification Code : 5F  
Labels : 2.1  
Tunnel restriction code : (D)  
14.5 Environmental hazards : no

### IATA

14.1 UN number : 1950  
14.2 UN proper shipping name : Aerosols, flammable  
14.3 Transport hazard class(es) : 2.1

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Country GB 100000019299

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Labels : 2.1

**14.5 Environmental hazards** : no

## IMDG

**14.1 UN number** : 1950

**14.2 UN proper shipping name** : AEROSOLS

**14.3 Class** : 2.1

Labels : 2.1

EmS Number 1 : F-D

EmS Number 2 : S-U

**14.5 Marine pollutant** : no

## 14.6 Special precautions for user

No data available

## 14.7 Transport in bulk according to Annex II of Marpol 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

#### Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Banned and/or restricted (Diphenylmethanediisocyanate, isomeres and homologues)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH Information: All substances contained in our Products are  
- preregistered or registered by our upstream suppliers, and/or  
- preregistered or registered by us, and/or  
- excluded from the regulation, and/or  
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

|     |                    | Quantity 1 | Quantity 2 |
|-----|--------------------|------------|------------|
| P3a | FLAMMABLE AEROSOLS | 150 t      | 500 t      |

VOC-CH (VOCV) : 30 %

VOC-EU (solvent) : 30 %

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

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Health, safety and environmental regulation/legislation specific for the substance or mixture: : Environmental Protection Act 1990 & Subsidiary Regulations  
Health and Safety at Work Act 1974 & Subsidiary Regulations  
Control of Substances Hazardous to Health Regulations (COSHH)  
May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

Other regulations : 75/324/EEC

## 15.2 Chemical safety assessment

No Chemical Safety Assment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

### Full text of H-Statements

|      |   |
|------|---|
| H220 | Extremely flammable gas.  |
| 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.  |
| H373 | May cause damage to organs through prolonged or repeated exposure if inhaled. |

### Full text of other abbreviations

|             |   |
|-------------|---|
| Acute Tox.  | Acute toxicity  |
| Carc.       | Carcinogenicity   |
| Eye Irrit.  | Eye irritation  |
| Flam. Gas   | Flammable gases   |
| Resp. Sens. | Respiratory sensitisation   |
| Skin Irrit. | Skin irritation   |
| Skin Sens.  | Skin sensitisation  |
| STOT RE     | Specific target organ toxicity - repeated exposure  |
| STOT SE     | Specific target organ toxicity - single exposure  |
| ADR         | Accord européen relatif au transport international des marchandises Dangereuses par Route   |
| CAS         | Chemical Abstracts Service  |
| DNEL        | Derived no-effect level   |
| EC50        | Half maximal effective concentration  |
| GHS         | Globally Harmonized System  |
| IATA        | International Air Transport Association   |
| IMDG        | International Maritime Code for Dangerous Goods   |
| LD50        | Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals) |

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|        |  |
|--------|--|
| LC50   | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)   |
| MARPOL | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978  |
| OEL    | Occupational Exposure Limit  |
| PBT    | Persistent, bioaccumulative and toxic  |
| PNEC   | Predicted no effect concentration  |
| REACH  | 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), establishing a European Chemicals Agency |
| SVHC   | Substances of Very High Concern  |
| vPvB   | Very persistent and very bioaccumulative   |

### Classification of the mixture:

|               |            |
|---------------|------------|
| Aerosol 2     | H223, H229 |
| Acute Tox. 4  | H332       |
| Skin Irrit. 2 | H315       |
| Eye Irrit. 2  | H319       |
| Resp. Sens. 1 | H334       |
| Skin Sens. 1  | H317       |
| Carc. 2       | H351       |
| STOT SE 3     | H335       |
| STOT RE 2     | H373       |

### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

|| Changes as compared to previous version !