# *POLYCRAFT GUN FOAM PART B*

Version 1.2 Revision Date 11.09.2015 Print Date 12.09.2016

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

### 1.1 Product identifier

Trade name : POLYCRAFT GUN FOAM PART B

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

Use of the Substance/Mixture : Additive

Recommended restrictions : Reserved for industrial and professional use. on use

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

Company**:** **MB Fibreglass**
Unit 17 & 20 Abbey Business Park
Mill Road
Newtownabbey
Co.Antrim
BT36 7EE

Telephone: +44 (0) 2890 861992

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

| | |
|---|---|
| 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. |
| Specific target organ toxicity - single exposure, Category 3, Respiratory system | H335: May cause respiratory irritation. |
| Specific target organ toxicity - repeated exposure, Category 2, Lungs | H373: May cause damage to organs through prolonged or repeated exposure if inhaled. |
| Acute toxicity, Category 4 | H332: Harmful if inhaled. |
| Carcinogenicity, Category 2 | H351: Suspected of causing cancer. |

### 2.2 Label elements

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

Hazard pictograms :

Signal word : Danger

Hazard statements :

| | |
|---|---|
| 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 (Lungs) through prolonged or repeated exposure if inhaled. |

Supplemental Hazard Statements : EUH204 Contains isocyanates. May produce an allergic reaction.

Precautionary statements :

**Prevention:**

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P260 | Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. |
| P280 | Wear protective gloves/ eye protection/ face protection. |

**Response:**

| | |
|---|---|
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. |
| P304 + P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |

**Additional Labelling:**

.Reserved for industrial and professional use.

**2.3 Other hazards**

No data available

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

**Hazardous components**

| Chemical Name | CAS-No.<br>EC-No. | Concentration (%) |
|---|---|---|
| Diphenylmethanediisocyanate | 9016-87-9 | <= 100 |

## SECTION 4: First aid measures

**4.1 Description of first aid measures**

If inhaled : Move to fresh air.
Consult a physician after significant exposure.

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 : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

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

Symptoms : carcinogenic effects

irritant effects
Respiratory disorder
sensitising effects

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

Treatment : For specialist advice physicians should contact the Poisons Information Service.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

Suitable extinguishing media : Dry powder
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry sand

Unsuitable extinguishing media : Water

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Burning produces noxious and toxic fumes.

**5.3 Advice for firefighters**

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

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Never use water.

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

**6.2 Environmental precautions**

Environmental precautions : Try to prevent the material from entering drains or water courses.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

## 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).
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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 : Keep container tightly closed in a dry and well-ventilated place. Keep under nitrogen. Protect from moisture. Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

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

**7.3 Specific end use(s)**

Specific use(s) : Raw material for industry

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Occupational Exposure Limits**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|---|---|---|---|---|
| Diphenylmethanediisocyanate | 9016-87-9 | TWA | 0.02 mg/m3 | GB EH40 |

| | | | | |
|---|---|---|---|---|
| Diphenylmethanediisocyanate | 9016-87-9 | STEL | 0.07 mg/m3 | GB EH40 |
| Diphenylmethanediisocyanate | 9016-87-9 | TWA | 0.02 mg/m3 (as -NCO) | GB EH40 |
| Diphenylmethanediisocyanate | 9016-87-9 | STEL | 0.07 mg/m3 (as -NCO) | GB EH40 |

### 8.2 Exposure controls

**Personal protective equipment**

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection

: Polyvinyl alcohol or nitrile- butyl-rubber gloves
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

**Environmental exposure controls**

General advice : Try to prevent the material from entering drains or water courses.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : dark brown

Odour : characteristic, musty

Melting point/range : < 10 °C

Boiling point/boiling range : > 250 °C
(8 hPa)

| | | |
|---|---|---|
| Flash point | : | 200 °C<br>Method: open cup |
| Relative vapour density | : | 8.5(Air = 1.0) |
| Relative density | : | 1.22 (25 °C) |
| Solubility(ies) | | |
| Solubility in other solvents | : | slightly soluble<br>Solvent: Organic solvents |
| Auto-ignition temperature | : | ><br>560 °C |
| Viscosity | | |
| Viscosity, dynamic | : | 125 - 225 mPa.s (25 °C) |

**9.2 Other information**

Oxidising potential : No information available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

Stable under recommended storage conditions.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

Conditions to avoid : Contamination
Exposure to moisture
Heat, flames and sparks.

**10.5 Incompatible materials**

Materials to avoid : Water
Strong oxidizing agents
Strong acids and strong bases
Alcohols
Amines

**10.6 Hazardous decomposition products**

Hazardous decomposition products : Carbon oxides
Isocyanates
Nitrogen oxides (NOx)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**

**Product:**

Acute oral toxicity : Remarks: Not classified due to lack of data.

Acute inhalation toxicity : Remarks: Harmful by inhalation.

Acute dermal toxicity : Remarks: Not classified due to lack of data.

**Components:**

**Diphenylmethanediisocyanate:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

**Skin corrosion/irritation**

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:**

**Diphenylmethanediisocyanate:**

Result: Mild skin irritation

**Serious eye damage/eye irritation**

**Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:**

**Diphenylmethanediisocyanate:**

Result: Eye irritation

**Respiratory or skin sensitisation**

**Product:**

Remarks: Causes sensitisation.

**Components:**

**Diphenylmethanediisocyanate:**
Assessment: May cause sensitisation by inhalation.

Assessment: May cause sensitisation by skin contact.

**Germ cell mutagenicity**

**Product:**

Germ cell mutagenicity
Assessment : Not classified due to lack of data.

**Components:**

**Diphenylmethanediisocyanate:**
Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Result: negative

Germ cell mutagenicity
Assessment : In vitro tests did not show mutagenic effects

**Carcinogenicity**

**Product:**

Carcinogenicity
Assessment : Limited evidence of a carcinogenic effect.

**Reproductive toxicity**

**Product:**

Reproductive toxicity
Assessment : Not classified due to lack of data.

**Components:**

**Diphenylmethanediisocyanate:**
Reproductive toxicity
Assessment : No toxicity to reproduction
No effects on or via lactation

**STOT - single exposure**

**Product:**

Assessment: May cause respiratory irritation.

**Components:**

**Diphenylmethanediisocyanate:**
Exposure routes: Inhalation
Assessment: May cause respiratory irritation.

**STOT - repeated exposure**

**Product:**
Assessment: May cause damage to organs through prolonged or repeated exposure.

**Components:**
**Diphenylmethanediisocyanate:**
Exposure routes: Inhalation
Target Organs: Lungs
Assessment: May cause damage to organs through prolonged or repeated exposure.

**Aspiration toxicity**

**Product:**
No aspiration toxicity classification

**Further information**

**Product:**
Remarks: The product itself has not been tested.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

| | | |
|---|---|---|
| Toxicity to fish | : | Remarks: No data available |

**Components:**
**Diphenylmethanediisocyanate:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Zebra fish (Brachydanio rerio)): > 1,000 mg/l |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 1,000 mg/l<br>Exposure time: 24 h |

### 12.2 Persistence and degradability

**Product:**

| | | |
|---|---|---|
| Biodegradability | : | Remarks: No data available |

### 12.3 Bioaccumulative potential

**Product:**

| | | |
|---|---|---|
| Bioaccumulation | : | Remarks: No data available |

**12.4 Mobility in soil**

**Product:**

Mobility : Remarks: No data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : No data available

**12.6 Other adverse effects**

**Product:**

Additional ecological information : Remarks: The product itself has not been tested.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

Product : Dispose of wastes in an approved waste disposal facility.
In accordance with local and national regulations.
Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

## SECTION 14: Transport information

**14.1 UN number**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

| | |
|---|---|
| International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors | : Neither banned nor restricted |
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) | : Neither banned nor restricted |
| Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals | : Neither banned nor restricted |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57). |
| REACH - List of substances subject to authorisation (Annex XIV) | : Neither banned nor restricted |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : Neither banned nor restricted |
| Regulation (EC) No 850/2004 on persistent organic pollutants | : Neither banned nor restricted |

**Major Accident Hazard Legislation**
Seveso Directive
Directive 96/82/EC of 9th December 1996
Directive 96/82/EC does not apply

**The components of this product are reported in the following inventories:**

| | |
|---|---|
| United States TSCA Inventory | : On TSCA Inventory |
| Canadian Domestic Substances List (DSL) | : All components of this product are on the Canadian DSL. |
| Australia Inventory of Chemical Substances (AICS) | : On the inventory, or in compliance with the inventory |
| New Zealand. Inventory of Chemical Substances | : On the inventory, or in compliance with the inventory |

| | | |
|---|---|---|
| Japan. ENCS - Existing and New Chemical Substances Inventory | : | On the inventory, or in compliance with the inventory |
| Japan. ISHL - Inventory of Chemical Substances | : | Not in compliance with the inventory |
| Korea. Korean Existing Chemicals Inventory (KECI) | : | On the inventory, or in compliance with the inventory |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | : | On the inventory, or in compliance with the inventory |
| China. Inventory of Existing Chemical Substances in China (IECSC) | : | On the inventory, or in compliance with the inventory |

**15.2 Chemical Safety Assessment**

No information available.

## SECTION 16: Other information

**Full text of H-Statements referred to under sections 2 and 3.**

| | |
|---|---|
| H315 | Causes skin irritation. |
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| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure if inhaled. |
| H332 | Harmful if inhaled. |
| H351 | Suspected of causing cancer. |

**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.