

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** POLYCRAFT 022 MEDIUM PART B**Product code:** 022 MEDIUM FOAM PART B**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC32: Polymer preparations and compounds.**1.3. Details of the supplier of the safety data sheet****Company name:** MB Fibreglass  
Unit 17 & 20 Abbey Business Park  
Mill Road  
Newtownabbey  
BT36 7EE**Tel:** 02890 861992**Email:** sales@mbfg.co.uk**1.4. Emergency telephone****number****Emergency tel:** 02890 861992  
(office hours only)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Eye Irrit. 2: H319; Acute Tox. 4: H332; Carc. 2: H351; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335**Most important adverse effects:** Causes skin irritation. 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.**2.2. Label elements****Label elements:****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 through prolonged or repeated exposure.

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**Signal words:** Danger

**Hazard pictograms:** GHS07: Exclamation mark

GHS08: Health hazard



**Precautionary statements:** P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
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.

**2.3. Other hazards**

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

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

4,4'-METHYLENEDIPHENYLDIISOCYANATE, OLIGOMERIC REACTION PRODUCTS WITH BUTANE-1,3-DIOL, 2,4'-DIISOCYANATODIPHENYLMETHANE (S2030) - REACH registered number(s): 01-2119480402-45

| EINECS    | CAS         | PBT / WEL | CLP Classification  | Percent |
|-----------|-------------|-----------|---|---------|
| 500-415-1 | 158885-29-1 | -         | Carc. 2: H351; Acute Tox. 4: H332; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT RE 2: H373 | 5-20%   |

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

|   |           |   |   |       |
|---|-----------|---|---|-------|
| - | 9016-87-9 | - | 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 | 5-20% |
|---|-----------|---|---|-------|

4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS - REACH registered number(s): 01-2119457013- 49

|           |            |   |   |       |
|-----------|------------|---|---|-------|
| 500-040-3 | 25686-28-6 | - | Carc. 2: H351; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT RE 2: H373 | 5-20% |
|-----------|------------|---|---|-------|

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4,4'-METHYLENEDIPHENYLDIISOCYANATE, OLIGOMERIC REACTION PRODUCTS WITH BUTANE-1,3-DIOL, 2,4'-DIISOCYANATODIPHENYLMETHANE, [(METHYLETHYLENE)BIS(OXY)]DIPROPANOL AND PROPANE-1,2-DIOL - REACH registered number(s): 01-2119457025- 44

|           |             |   |   |       |
|-----------|-------------|---|---|-------|
| 500-312-1 | 123714-19-2 | - | Carc. 2: H351; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT RE 2: H373 | 5-20% |
|-----------|-------------|---|---|-------|

REACTION MASS OF 4,4'MDI & 2,4'MDI - REACH registered number(s): 01-2119457015- 45

|   |   |   |  |       |
|---|---|---|--|-------|
| - | - | - | Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Sens. 1: H317; Carc. 2: H351; STOT RE 2: H373 | 5-20% |
|---|---|---|--|-------|

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE - REACH registered number(s): 01-2119457014- 47

|           |          |   |   |       |
|-----------|----------|---|---|-------|
| 202-966-0 | 101-68-8 | - | 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 | 5-20% |
|-----------|----------|---|---|-------|

## 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. Consult a doctor.

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

**Ingestion:** Wash out mouth with water. Consult a doctor.

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

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

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

**Skin 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.

**Inhalation:** Exposure may cause coughing or wheezing.

Delayed effects can be expected after long-term exposure.

**Delayed / immediate effects:**

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** In combustion emits toxic fumes.

**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:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.  
Do not create dust. Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside keep bystanders upwind and away from danger point.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Avoid the formation or spread of dust in the air.  
Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

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

**Specific end use(s):** No data available.

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

**8.1. Control parameters**

**Hazardous ingredients:**

**4,4'-METHYLENEDIPHENYLDIISOCYANATE, OLIGOMERIC REACTION PRODUCTS WITH BUTANE-1,3-DIOL, 2,4'-DIISOCYANATOD**

**Workplace exposure limits:**

**Respirable dust**

| State | Workplace exposure limits |                        | Respirable dust |              |
|-------|---------------------------|------------------------|-----------------|--------------|
|       | 8 hour TWA                | 15 min. STEL           | 8 hour TWA      | 15 min. STEL |
| UK    | 0.02 mg/m <sup>3</sup>    | 0.07 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> | - | - |
|----|------------------------|------------------------|---|---|

**DIPHENYLMETHANE-4,4'-DI-ISOCYANATE**

|    |                        |                        |   |   |
|----|------------------------|------------------------|---|---|
| UK | 0.02 mg/m <sup>3</sup> | 0.07 mg/m <sup>3</sup> | - | - |
|----|------------------------|------------------------|---|---|

**DNEL/PNEC Values**

DNEL / PNEC No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

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

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Pale brown

**Odour:** Barely perceptible odour

**Evaporation rate:** Negligible

**Relative density:** 1.15

**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.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**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.

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## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**4,4'-METHYLENEDIPHENYLDIISOCYANATE, OLIGOMERIC REACTION PRODUCTS WITH BUTANE-1,3-DIOL, 2,4'-DIISOCYANATOD**

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >9400 | mg/kg |
| ORAL   | RAT | LD50 | >5000 | mg/kg |

**DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)**

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

**4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS**

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 2200 | mg/kg |
| ORL | RAT | LD50 | 9200 | mg/kg |

**4,4'-METHYLENEDIPHENYLDIISOCYANATE, OLIGOMERIC REACTION PRODUCTS WITH BUTANE-1,3-DIOL, 2,4'-DIISOCYANATOD**

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 2200 | mg/kg |
| ORL | RAT | LD50 | 9200 | mg/kg |

**DIPHENYLMETHANE-4,4'-DI-ISOCYANATE**

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 2200 | mg/kg |
| ORL | RAT | LD50 | 9200 | mg/kg |

**Relevant hazards for substance:**

| Hazard                         | Route   | Basis                 |
|--------------------------------|---------|-----------------------|
| Acute toxicity (ac. tox. 4)    | INH     | Hazardous: calculated |
| Skin corrosion/irritation      | DRM     | Hazardous: calculated |
| Serious eye damage/irritation  | OPT     | Hazardous: calculated |
| Respiratory/skin sensitisation | INH DRM | Hazardous: calculated |
| Carcinogenicity                | --      | Hazardous: calculated |
| STOT-single exposure           | INH     | Hazardous: calculated |
| STOT-repeated exposure         | -       | 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.

**Inhalation:** Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

## Section 12: Ecological information

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**12.1. Toxicity**

**Hazardous ingredients:**

**4,4'-METHYLENEDIPHENYLDIISOCYANATE, OLIGOMERIC REACTION PRODUCTS WITH BUTANE-1,3-DIOL, 2,4'-DIISOCYANATOD**

|               |          |       |      |
|---------------|----------|-------|------|
| ALGAE         | 72H EC50 | >1640 | mg/l |
| DAPHNIA       | 24H EC50 | >1000 | mg/l |
| Daphnia magna | 21D NOEC | >10   | mg/l |
| FISH          | 96H LC50 | >1000 | mg/l |

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**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**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

**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.

[cont...]

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**Phrases used in s.2 and s.3:** 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>.

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>.

**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.