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

1.1 Product identifier

Commercial Product Name: PUP B1 750 Premium B1 Gun Foam

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

Relevant identified uses: Foaming at constructional elements requiring advanced fire security standards, foaming in thermal insulation composite systems between EPS heat insulation panels, gaps of maximum 70 x 20 mm (depth x width), covered with mineral plaster, ideal construction and insulation foam for filling and sealing of cavities between brickwork and window frames, window sills, roller blinds chassis etc., insulating of pipeline mountings.

Recommended restrictions: None under normal processing. Observe technical data sheet.

1.3 Details of the supplier of the safety data sheet

Company designation: fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de
Internet: www.fischer.de

Marketer: Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd, Hithercroft Road, Wallingford, Oxfordshire, OX10 9AT, Tel. 01491 827 920, Fax 01491 827 950

1.4 Emergency telephone number

Emergency telephone number: +49(0)6132-84463 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008
Flam. Aerosol 1; H222 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

2.2 Label elements

Hazard pictogram: GHS02, GHS07, GHS08
## Signal word

**Danger**

## Hazardous component(s) to be indicated on label

4, 4′-methylene diphenyl diisocyanate, isomers and homologues

## H-statement(s)

- **H222**: Extremely 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.

## P-statement(s)

- **P101**: If medical advice is needed, have product container or label at hand.
- **P102**: Keep out of reach of children.
- **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.
- **P305+P351+P338**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P405**: Store locked up.
- **P410+P412**: Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.
- **P501**: Dispose of contents/container to special waste treatment

## Further information

- **EUH204**: Contains isocyanates. May produce an allergic reaction.
- 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. Buildup of explosive mixtures possible without sufficient ventilation.
- 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

**Health hazard**
None known.

**Particular information pertaining specific risk for human / environment**
None known.

**Indication of danger**
None known.

**Hazard precautions**
None known.

### SECTION 3: Composition/information on ingredients

#### Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Classification (EC) 1272/2008</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’-methylene diphenyl diisocyanate, isomers and homologues</td>
<td>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</td>
<td>25.0 – 50.0 %</td>
</tr>
<tr>
<td>tris(2–chloro–1–methyl ethyl) phosphate</td>
<td>Acute Tox. 4; H302</td>
<td>10.0 – 25.0 %</td>
</tr>
<tr>
<td>isobutane</td>
<td>Flam. Gas 1; H220 Press. Gas; H280</td>
<td>2.5 – 10.0 %</td>
</tr>
<tr>
<td>dimethyl ether</td>
<td>Flam. Gas 1; H220 Press. Gas; H280</td>
<td>2.5 – 10.0 %</td>
</tr>
<tr>
<td>propane</td>
<td>Flam. Gas 1; H220 Press. Gas; H280</td>
<td>&lt; 2.5 %</td>
</tr>
<tr>
<td>2,2-dimethylpropan–1–ol, tribromo derivative</td>
<td>Eye Irrit. 2; H319</td>
<td>&lt; 2.5 %</td>
</tr>
</tbody>
</table>

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General advice**
If symptoms persist, call a physician.
Take off all contaminated clothing immediately.
Remove/Take off immediately all contaminated clothing.
If inhaled

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious place in recovery position and seek medical advice.

In case of skin contact

Use mechanical handling equipment.

IF ON SKIN: Gently wash with plenty of soap and water.

In case of eye contact

Use mechanical handling equipment.

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If swallowed

If swallowed, seek medical advice immediately and show this container or label.

Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water.

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention

No data available

Special medical treatment

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2)
Dry powder
Foam
Water spray jet

Extinguishing media which must not be used for safety reasons

High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Container may rupture on heating.
Heating or fire can release toxic gas.
May form explosive mixtures in air.

5.3 Advice for firefighters

Special protective equipment for firefighting

In the event of fire, wear self-contained breathing apparatus.
In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Keep containers and surroundings cool with water spray. Container may rupture on heating.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions
Ensure adequate ventilation, especially in confined areas.
Keep away from sources of ignition – No smoking.
Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Environmental precautions
The product should not be allowed to enter drains, water courses or the soil.
Prevent spreading over a wide area (e.g. by containment or oil barriers).

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).
Allow to solidify, use mechanical handling equipment.
Ensure adequate ventilation.
Do not flush with water.

6.4 Reference to other sections

Reference to other sections
See chapter 8/13

6.5 Additional information

Other information
Treat recovered material as described in the section "Disposal considerations".
Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Handle and open container with care.
Provide sufficient air exchange and/or exhaust in work rooms.
Vapours are heavier than air and may spread along floors.
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.

Advice on protection against fire and explosion
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 other incandescent material. Keep away from sources of ignition – No smoking.
In use, may form flammable/explosive vapour–air mixture.
Take measures to prevent the build up of electrostatic charge.
7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements

- Keep containers tightly closed in a cool, well-ventilated place.
- Container may rupture on heating.
- Store in accordance with local regulations.

German storage class

LGK 2B (TRGS 510)

7.3 Specific end use(s)

Specific use(s)

Installation foam. Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

dimethyl ether

Great Britain

<table>
<thead>
<tr>
<th>Long-term exposure value/ ppm</th>
<th>Long-term exposure value/ mg/m³</th>
<th>Short-term exposure value / ppm</th>
<th>Short-term exposure value / mg/m³</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>400</td>
<td>766</td>
<td>500</td>
<td>958</td>
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</table>


Europe

<table>
<thead>
<tr>
<th>Long-term exposure value/ mg/m³</th>
<th>Long-term exposure value/ ppm</th>
<th>Issuing date</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 920</td>
<td>1 000</td>
<td>2000/39</td>
<td>24</td>
</tr>
</tbody>
</table>

Source : 24 – DIRECTIVE 2009/161/EU

8.2 Exposure controls

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Professional users (long contact) : Wear protective gloves.

Suitable material : butyl-rubber, Chloroprene, Nitrile rubber

Unsuitable material : PVC disposable gloves

Material thickness : \( \geq 0.5 \) mm

Break through time : \( > 120 \) min

Remarks : Replace when worn.

Reference substance : Request information on glove permeation properties from the glove supplier. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Private users (short contact) :
Suitable material: attached disposable gloves
Remarks: Use gloves once only.

Eye protection: Tightly fitting safety goggles
Skin and body protection: Wear suitable protective equipment.

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

General protective and hygiene measures: Smoking, eating and drinking should be prohibited in the application area.
Avoid contact with skin, eyes and clothing.
Take off all contaminated clothing immediately.
Do not breathe vapors, mist or gas.
Wash hands before breaks and at the end of workday.
Keep away from food, drink and animal feedingstuffs.
Use protective skin cream before handling the product.

Information on environmental protection regulations: No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Aerosol
Colour: yellow
Odour: characteristic
Odour threshold: not determined
pH: not applicable
Boiling point [°C]: not applicable (aerosol)
Flash point [°C]: < 100

Reference substance: Aerosol
Evaporation rate [kg/(s*m²)]: No data available
Explosion limits [Vol-% ]

Lower limit: 1,7
Upper limit: 18,6
Vapour pressure [kPa]: 6
Vapour density: not determined
Density [g/cm³]: 1,06
Relative density: not determined
Water solubility [g/l]: immiscible
Solubility [g/l]  No data available
Partition coefficient n-octanol / water (log P O/W)  not determined
Autoinflammability  not auto-flammable
Decomposition temperature [°C]  not determined
Viscosity, dynamic [kg/(m*s)]  not determined
Risk of explosion.  In use, may form flammable/explosive vapour-air mixture.
Oxidising properties  No data available

9.2 Other information
Ignition temperature [°C]  235
Relative vapour density (air=1)  not determined
Solvent content [%]  0,6
Measuring method : organic solvent

SECTION 10: Stability and reactivity

10.1 Reactivity
Thermal decomposition  No decomposition if stored and applied as directed.

10.2 Chemical stability
Chemical stability  Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Hazardous reactions  No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
Conditions to avoid  Container may rupture on heating.
No decomposition if used as directed.

10.5 Incompatible materials
Materials to avoid  No dangerous reaction known under conditions of normal use.

10.6 Hazardous decomposition products
Hazardous decomposition products  Carbon oxides nitrogen oxides (NOx)
SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

4,4′-methylenediphenyl diisocyanate, isomers and homologues

<table>
<thead>
<tr>
<th>Oral toxicity [mg/kg]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Remarks</th>
<th>Source</th>
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<tbody>
<tr>
<td>&gt; 5000</td>
<td>LD50</td>
<td>rat</td>
<td>OECD 423</td>
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Source : 100 – 100

Dermal toxicity [mg/kg]

<table>
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<th>Oral toxicity [mg/kg]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Remarks</th>
<th>Source</th>
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<td>&gt; 5000</td>
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Source : 100 – 100

Inhalative toxicity [mg/l]

<table>
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<tr>
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<th>Test species</th>
<th>Remarks</th>
<th>Source</th>
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<td>2800</td>
<td>LD50</td>
<td>rat</td>
<td>OECD 402</td>
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Source : 100 – 100

Dermal toxicity [mg/kg]

<table>
<thead>
<tr>
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<th>Test criterion</th>
<th>Test species</th>
<th>Duration</th>
<th>Remarks</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 2000</td>
<td>LD50</td>
<td>rabbit</td>
<td>24 h</td>
<td>OECD 402</td>
<td>100</td>
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Source : 100 – 100

Inhalative toxicity [mg/l]

<table>
<thead>
<tr>
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<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Note</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 5</td>
<td>LC50</td>
<td>rat</td>
<td>4 h</td>
<td></td>
<td>OECD 403</td>
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Source : 100 – 100

ISOBUTANE

<table>
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<tr>
<th>Oral toxicity [mg/kg]</th>
<th>Source</th>
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</thead>
<tbody>
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Source : 100 – 100

Dermal toxicity [mg/kg]

<table>
<thead>
<tr>
<th>Oral toxicity [mg/kg]</th>
<th>Source</th>
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<tbody>
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Source : 100 – 100

Inhalative toxicity [mg/l]

<table>
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<tr>
<th>Oral toxicity [mg/kg]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 50</td>
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<td>rat</td>
<td>4 h</td>
<td>100</td>
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Source : 100 – 100
Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: PUP B1 750 Premium B1 Gun Foam

Revision Date: 15.09.2016
Version: 4.1 /en

10 / 15

Source: 100 – 100

dimethyl ether

<table>
<thead>
<tr>
<th>Inhalative toxicity [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
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<tbody>
<tr>
<td>308</td>
<td>LC50</td>
<td>rat</td>
<td>4 h</td>
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Source: 100 – 100

propane

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Source: 100 – 100

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</thead>
<tbody>
<tr>
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<td>100</td>
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Source: 100 – 100

<table>
<thead>
<tr>
<th>Inhalative toxicity [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>LC50</td>
<td>rat</td>
<td>4 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

Irritant effect on skin: Irritating to skin and mucous membranes
Irritant effect on eyes: Irritating to eyes.
Sensitization: May cause sensitization by inhalation and skin contact.

11.2 Additional information

Other information (chapter 11.) The product itself has not been tested.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

4,4’-methylene diphenyl diisocyanate, isomers and homologues

<table>
<thead>
<tr>
<th>Toxicity to fish [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Measuring method</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 100</td>
<td>LC50</td>
<td>Brachydanio rerio (zebra fish)</td>
<td>OECD Test Guide-line 203</td>
<td>96 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

<table>
<thead>
<tr>
<th>Toxicity to daphnia [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Measuring method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 1000</td>
<td>EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>24 h</td>
<td>OECD Test Guide-line 202</td>
<td>100</td>
</tr>
</tbody>
</table>
### Toxicity to algae [mg/l]

<table>
<thead>
<tr>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>ErC50:</td>
<td>Scenedesmus subspicatus</td>
<td>72 h</td>
<td>100</td>
</tr>
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</table>

Source: 100 – 100

### NOEC (daphnia) [mg/l]

<table>
<thead>
<tr>
<th>Test species</th>
<th>Measuring method</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daphnia magna (Big water flea)</td>
<td>OECD 202</td>
<td>21 d</td>
<td>100</td>
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</table>

Source: 100 – 100

### Ready degradability

#### tris(2-chloro-1-methyl) phosphate

### Toxicity to fish [mg/l]

<table>
<thead>
<tr>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>Pimephales promelas (Pimephales promelas (fathead minnow))</td>
<td>96 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

### Toxicity to daphnia [mg/l]

<table>
<thead>
<tr>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Measuring method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>48 h</td>
<td>OECD Test Guideline 202</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

### Toxicity to algae [mg/l]

<table>
<thead>
<tr>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Measuring method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>Selenastrum capricornutum</td>
<td>72 h</td>
<td>OECD Test Guideline 201</td>
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Source: 100 – 100

### ISOBUTANE

### Toxicity to fish [mg/l]

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<tr>
<th>Test criterion</th>
<th>Exposure duration</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
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<td>96 h</td>
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Source: 100 – 100

### Toxicity to daphnia [mg/l]

<table>
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<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>LC50</td>
<td>Daphnia magna (Big water flea)</td>
<td>48 h</td>
<td>100</td>
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Source: 100 – 100

### Toxicity to algae [mg/l]

<table>
<thead>
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<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>Scenedesmus quadricauda (Green algae)</td>
<td>96 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100
Ready degradability

dimethyl ether

<table>
<thead>
<tr>
<th>Toxicity to fish [mg/l]</th>
<th>Test criterion</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 1000</td>
<td>LC50</td>
<td>96 h</td>
<td>100</td>
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Source: 100 – 100

<table>
<thead>
<tr>
<th>Toxicity to daphnia [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 4400</td>
<td>LC50</td>
<td>Daphnia magna (Water flea)</td>
<td>48 h</td>
<td>100</td>
</tr>
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</table>

Source: 100 – 100

<table>
<thead>
<tr>
<th>Toxicity to algae [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>154,917</td>
<td>EC50</td>
<td>Scenedesmus quadricauda (Green algae)</td>
<td>96 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

Ready degradability

propane

<table>
<thead>
<tr>
<th>Toxicity to fish [mg/l]</th>
<th>Test criterion</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 1000</td>
<td>LC50</td>
<td>96 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

<table>
<thead>
<tr>
<th>Toxicity to daphnia [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>14,22</td>
<td>LC50</td>
<td>Daphnia magna (Big water flea).</td>
<td>48 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

<table>
<thead>
<tr>
<th>Toxicity to algae [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,71</td>
<td>EC50</td>
<td>Scenedesmus quadricauda (Green algae)</td>
<td>96 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

Ready degradability

2,2-dimethylpropan-1-ol, tribromo derivative

Ready degradability

12.2 Persistence and degradability

Elimination and distribution No information available.

mechanisms
Elimination in purification plant: No data available
Biodegradability: No data available

12.3 Bioaccumulative potential
Bioaccumulation: no data available
Bioconcentration factor (BCF): No data available

12.4 Mobility in soil
Distribution in the environment: No data available
Mobility: Mobility: No data available

12.5 Results of PBT and vPvB assessment
Results of PBT characteristics determination: This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects
Further information on ecology: The product itself has not been tested.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Disposal considerations: Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
The product should not be allowed to enter drains, water courses or the soil.
Empty remaining contents.

Waste Code:
080501 – waste isocyanates
160504 – gases in pressure containers (including halons) containing dangerous substances
cured material: 200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

Uncleaned empty packaging: Dispose of as unused product.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN-No</th>
<th>Land transport ADR/RID</th>
<th>Marine transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950</td>
<td>1950</td>
<td>1950</td>
<td></td>
</tr>
<tr>
<td>14.2 Description of the goods</td>
<td>AEROSOLS</td>
<td>AEROSOLS</td>
<td></td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>AEROSOLS</td>
<td>Aerosols, flammable</td>
<td></td>
</tr>
</tbody>
</table>
14.6 Special precautions for user
Precautions not required under normal use

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code not applicable

SECTION 15: Regulatory information

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

Water hazard class (self-classification) 1

15.2 Chemical safety assessment
Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

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.
EUH204: Contains isocyanates. May produce an allergic reaction.

Wording of the hazard classes
- Flam. Aerosol: Flammable aerosol
- Acute Tox.: Acute toxicity
- Skin Irrit.: Skin irritation
- Eye Irrit.: Serious eye irritation
- Resp. Sens.: Respiratory sensitization
- Skin Sens.: Skin sensitization
- Carc.: Carcinogenicity
- STOT SE: Specific target organ toxicity – single exposure
- STOT RE: Specific target organ toxicity – repeated exposure
- Flam. Gas: Flammable gas
- Press. Gas: Gases under pressure

Modifications since last version
Modifications of the previous version are denoted with an asterisk (*).

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Aerosol 1; H222</td>
<td>Experimental data</td>
</tr>
<tr>
<td>Acute Tox. 4; H332</td>
<td>Calculated</td>
</tr>
<tr>
<td>Skin Irrit. 2; H315</td>
<td>Calculated</td>
</tr>
<tr>
<td>Eye Irrit. 2; H319</td>
<td>Calculated</td>
</tr>
<tr>
<td>Resp. Sens. 1; H334</td>
<td>Calculated</td>
</tr>
<tr>
<td>Skin Sens. 1; H317</td>
<td>Calculated</td>
</tr>
<tr>
<td>Carc. 2; H351</td>
<td>Calculated</td>
</tr>
<tr>
<td>STOT SE 3; H335</td>
<td>Calculated</td>
</tr>
<tr>
<td>STOT RE 2; H373</td>
<td>Calculated</td>
</tr>
</tbody>
</table>

Recommended restrictions
None under normal processing. Observe technical data sheet.

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.