

**AFCAT**

# AFCAT SUMMER DOOR & WINDOW PU FOAM GUN

## Safety Data Sheet

according to 29 CFR 1910.1200 Reference number: SDS.06.22.90 Issue date: 5/20/2024 Version: 0.0

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

#### 1.1. Product identifier

|                 |  |
|-----------------|--|
| Product form    | : Mixture                                |
| Trade name      | : AFCAT SUMMER DOOR & WINDOW PU FOAM GUN |
| Type of product | : Aerosol                                |
| Vaporizer       | : Aerosol                                |
| Product group   | : Trade product                          |

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

##### 1.2.1. Relevant identified uses

|                              |  |
|------------------------------|--|
| Intended for general public  |  |
| Main use category            | : Industrial use, Professional use, Consumer use |
| Use of the substance/mixture | : Aerosol<br>Polyurethane Foam                   |

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

AFCAT Group, INC  
8255 Forney Rd.  
Dallas, TX 75227  
Phone.: 469 – 678 - 1008  
[sales@afcatusa.com](mailto:sales@afcatusa.com) - [www.AFCATUSA.com](http://www.AFCATUSA.com)

#### 1.4. Emergency telephone number

Emergency number : 911 | INFOTRAC: 1-800-535-5053

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### NFPA:

Health Hazards: 2  
Flammability Hazards: 4  
Instability Hazards: 1  
Special Hazards: Non-applicable

##### 29 CFR 1910.1200:

Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.

|  |           |
|--|-----------|
| Aerosol, Category 1  | H222;H229 |
| Acute toxicity (inhalation:dust,mist) Category 4               | H332      |
| Skin corrosion/irritation, Category 2                          | H315      |
| Serious eye damage/eye irritation, Category 2                  | H319      |
| Respiratory sensitisation, Category 1                          | H334      |
| Skin sensitisation, Category 1                                 | H317      |
| Carcinogenicity, Category 2                                    | H351      |
| Specific target organ toxicity – Single exposure, Category 3,  | H335      |
| Respiratory tract irritation                                   |           |
| Specific target organ toxicity – Repeated exposure, Category 2 | H373      |

Full text of H- and EUH-statements: see section 16

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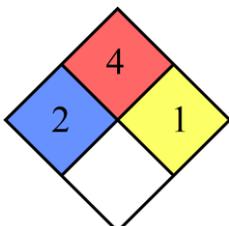
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### Adverse physicochemical, human health and environmental effects

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

### 2.2. Label elements

#### NFPA:



#### 29 CFR 1910.1200:

Hazard pictograms



Signal word

Contains

Hazard statements

Precautionary statements

EUH-statements

- : Danger
- : 4,4' diphenylmethanediisocyanate, isomere, homologue and mixtures; propane; isobutane
- : 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.
- : 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.
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- : EUH204 - Contains isocyanates. May produce an allergic reaction.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

#### Components:

Remaining components are non-hazardous and/or present at amounts below reportable limits. Exact percentage values for components are proprietary in accordance with 29 CFR 1910.1200(i). Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

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| Name  | Product identifier   | %       | Classification   |
|---|--|---------|--|
| 4,4' diphenylmethanediisocyanate, isomere, homologue and mixtures<br>(Note 2)(Note C) | CAS-No.: 9016-87-9<br>EC-No.: 618-498-9                              | 25 – 55 | Acute Tox. 4 (Inhalation), 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 SE 3, H335<br>STOT RE 2, H373 |
| TCPP  | CAS-No.: 13674-84-5<br>EC-No.: 237-158-7                             | 2 – 30  | Acute Tox. 4 (Oral), H302  |
| propane<br>(Note U)   | CAS-No.: 74-98-6<br>EC-No.: 200-827-9<br>EC Index-No.: 601-003-00-5  | 2 – 15  | Flam. Gas 1A, H220<br>Press. Gas   |
| isobutane<br>(Note C)(Note U)   | CAS-No.: 75-28-5<br>EC-No.: 200-857-2<br>EC Index-No.: 601-004-00-0  | 2 – 15  | Flam. Gas 1A, H220<br>Press. Gas (Diss.), H280   |
| Dimethyl ether<br>(Note U)  | CAS-No.: 115-10-6<br>EC-No.: 204-065-8<br>EC Index-No.: 603-019-00-8 | 2 – 15  | Flam. Gas 1A, H220<br>Press. Gas (Diss.), H280   |
| 2,2'-Dimorpholinodiethyl ether  | CAS-No.: 6425-39-4<br>EC-No.: 229-194-7                              | 0.1 – 1 | Eye Irrit. 2, H319   |

### Specific concentration limits:

| Name  | Product identifier                      | Specific concentration limits (%)   |
|---|---|---|
| 4,4' diphenylmethanediisocyanate, isomere, homologue and mixtures | CAS-No.: 9016-87-9<br>EC-No.: 618-498-9 | (0.1 ≤ C < 100) Resp. Sens. 1, H334<br>(5 ≤ C < 100) STOT SE 3, H335<br>(5 ≤ C < 100) Skin Irrit. 2, H315<br>(5 ≤ C < 100) Eye Irrit. 2, H319 |

- Note 2: The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.
- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Note U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction.   |
| Symptoms/effects after eye contact  | : Eye irritation.  |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

|  |   |
|--|---|
| Fire hazard                                      | : Extremely flammable aerosol.                |
| Explosion hazard                                 | : Pressurised container: May burst if heated. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.                |

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |   |
|-------------------------|---|
| Methods for cleaning up | : Mechanically recover the product. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                   |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

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Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
Storage temperature : 0 – 30 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

| Dimethyl ether (115-10-6)                  |                          |
|--|--------------------------|
| <b>DNEL/DMEL (Workers)</b>                 |                          |
| Long-term - systemic effects, inhalation   | 1894 mg/m <sup>3</sup>   |
| <b>DNEL/DMEL (General population)</b>      |                          |
| Long-term - systemic effects, inhalation   | 471 mg/m <sup>3</sup>    |
| <b>PNEC (Water)</b>                        |                          |
| PNEC aqua (freshwater)                     | 0.155 mg/l               |
| PNEC aqua (marine water)                   | 0.016 mg/l               |
| PNEC aqua (intermittent, freshwater)       | 1549 mg/l                |
| <b>PNEC (Sediment)</b>                     |                          |
| PNEC sediment (freshwater)                 | 0.681 mg/kg dwt          |
| PNEC sediment (marine water)               | 0.069 mg/kg dwt          |
| <b>PNEC (Soil)</b>                         |                          |
| PNEC soil                                  | 0.045 mg/kg dwt          |
| <b>PNEC (STP)</b>                          |                          |
| PNEC sewage treatment plant                | 160 mg/l                 |
| 2,2'-Dimorpholinodiethyl ether (6425-39-4) |                          |
| <b>DNEL/DMEL (Workers)</b>                 |                          |
| Long-term - systemic effects, dermal       | 1 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation   | 7.28 mg/m <sup>3</sup>   |
| <b>DNEL/DMEL (General population)</b>      |                          |
| Long-term - systemic effects, oral         | 0.5 mg/kg bodyweight/day |

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|--|---------------------------|
| Long-term - systemic effects, inhalation | 1.8 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal     | 0.5 mg/kg bodyweight/day  |
| <b>PNEC (Water)</b>                      |                           |
| PNEC aqua (freshwater)                   | 0.1 mg/l                  |
| PNEC aqua (marine water)                 | 0.01 mg/l                 |
| PNEC aqua (intermittent, freshwater)     | 1 mg/l                    |
| <b>PNEC (Sediment)</b>                   |                           |
| PNEC sediment (freshwater)               | 8.2 mg/kg dwt             |
| PNEC sediment (marine water)             | 0.82 mg/kg dwt            |
| <b>PNEC (Soil)</b>                       |                           |
| PNEC soil                                | 1.58 mg/kg dwt            |
| <b>PNEC (Oral)</b>                       |                           |
| PNEC oral (secondary poisoning)          | 10 mg/kg food             |
| <b>PNEC (STP)</b>                        |                           |
| PNEC sewage treatment plant              | 100 mg/l                  |
| <b>TCPP (13674-84-5)</b>                 |                           |
| <b>DNEL/DMEL (Workers)</b>               |                           |
| Acute - systemic effects, dermal         | 2.08 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation     | 5.82 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 2.08 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 5.82 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>    |                           |
| Acute - systemic effects, dermal         | 1.04 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation     | 1.46 mg/m <sup>3</sup>    |
| Acute - systemic effects, oral           | 0.52 mg/kg bodyweight/day |
| Long-term - systemic effects, oral       | 0.52 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1.46 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 1.04 mg/kg bodyweight/day |
| <b>PNEC (Water)</b>                      |                           |
| PNEC aqua (freshwater)                   | 0.64 mg/l                 |
| PNEC aqua (marine water)                 | 0.064 mg/l                |
| PNEC aqua (intermittent, freshwater)     | 0.51 mg/l                 |
| <b>PNEC (Sediment)</b>                   |                           |
| PNEC sediment (freshwater)               | 2.92 mg/kg dwt            |
| PNEC sediment (marine water)             | 0.29 mg/kg dwt            |
| <b>PNEC (Soil)</b>                       |                           |
| PNEC soil                                | 1.7 mg/kg dwt             |
| <b>PNEC (Oral)</b>                       |                           |
| PNEC oral (secondary poisoning)          | 11600 g/kg food           |

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### PNEC (STP)

|                             |           |
|-----------------------------|-----------|
| PNEC sewage treatment plant | 7.84 mg/l |
|-----------------------------|-----------|

#### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                           |   |
|---------------------------|---|
| Physical state            | : Liquid                                      |
| Colour                    | : light yellow.                               |
| Appearance                | : Aerosol.                                    |
| Odour                     | : characteristic.                             |
| Odour threshold           | : Not available                               |
| Melting point             | : Not available                               |
| Freezing point            | : Not available                               |
| Boiling point             | : Not available                               |
| Flammability              | : Extremely flammable aerosol.                |
| Explosive properties      | : Pressurised container: May burst if heated. |
| Lower explosion limit     | : Not available                               |
| Upper explosion limit     | : Not available                               |
| Flash point               | : Not applicable                              |
| Auto-ignition temperature | : Not available                               |
| Decomposition temperature | : Not available                               |

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|   |                             |
|---|-----------------------------|
| pH  | : Not available             |
| Viscosity, kinematic                            | : Not available             |
| Solubility                                      | : Not available             |
| Partition coefficient n-octanol/water (Log Kow) | : Not available             |
| Vapour pressure                                 | : Not available             |
| Vapour pressure at 50°C                         | : Not available             |
| Density   | : 15 – 18 kg/m <sup>3</sup> |
| Relative density                                | : Not available             |
| Relative vapour density at 20°C                 | : Not available             |
| Particle characteristics                        | : Not applicable            |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 45 %

#### 9.2.2. Other safety characteristics

Ideal Can Temperature : 20 °C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Not classified                            |
| Acute toxicity (dermal)     | : Not classified                            |
| Acute toxicity (inhalation) | : Inhalation:dust,mist: Harmful if inhaled. |

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|                     |               |
|---------------------|---------------|
| ATE CLP (dust,mist) | 2.727 mg/l/4h |
|---------------------|---------------|

#### Dimethyl ether (115-10-6)

|                             |   |
|-----------------------------|---|
| LC50 Inhalation - Rat [ppm] | 164000 ppm Animal: rat, Animal sex: male, Remarks on results: other:, 95% CL: 142000 - 203000 |
|-----------------------------|---|

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### 2,2'-Dimorpholinodiethyl ether (6425-39-4)

|                    |   |
|--------------------|---|
| LD50 oral rat      | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Remarks on results: other: |
| LD50 dermal rabbit | 3038 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:   |

### TCPP (13674-84-5)

|                    |   |
|--------------------|---|
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
|--------------------|---|

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Causes skin irritation.   |
| Serious eye damage/irritation     | : Causes serious eye irritation.  |
| Respiratory or skin sensitisation | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified  |
| Carcinogenicity                   | : Suspected of causing cancer.  |
| Reproductive toxicity             | : Not classified  |
| STOT-single exposure              | : May cause respiratory irritation.   |

### 4,4' diphenylmethanediisocyanate, isomere, homologue and mixtures (9016-87-9)

|                        |  |
|------------------------|--|
| STOT-single exposure   | May cause respiratory irritation.                                    |
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |

### 4,4' diphenylmethanediisocyanate, isomere, homologue and mixtures (9016-87-9)

|                        |  |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

### 2,2'-Dimorpholinodiethyl ether (6425-39-4)

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |
|----------------------------|---|

Aspiration hazard : Not classified

### AFCAT SUMMER DOOR & WINDOW PU FOAM GUN

|           |         |
|-----------|---------|
| Vaporizer | Aerosol |
|-----------|---------|

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |

### Dimethyl ether (115-10-6)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | > 4.1 g/l Test organisms (species): Poecilia reticulata |
| EC50 - Crustacea [1] | > 4.4 g/l Test organisms (species): Daphnia magna       |
| EC50 96h - Algae [1] | 154917 mg/l Test organisms (species): other:            |

### 2,2'-Dimorpholinodiethyl ether (6425-39-4)

|                 |  |
|-----------------|--|
| LC50 - Fish [1] | > 2337.5 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
|-----------------|--|

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|                          |  |
|--------------------------|--|
| EC50 - Crustacea [1]     | > 100 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]     | > 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| <b>TCPP (13674-84-5)</b> |  |
| LC50 - Fish [1]          | 51 mg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [1]     | 131 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]     | 82 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)    |
| EC50 72h - Algae [2]     | 33 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)    |
| NOEC (chronic)           | 32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC chronic fish        | 5.2 mg/l Test organisms (species): other:  |

### 12.2. Persistence and degradability

#### AFCAT SUMMER DOOR & WINDOW PU FOAM GUN

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### 4,4' diphenylmethanediisocyanate, isomere, homologue and mixtures (9016-87-9)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### propane (74-98-6)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### isobutane (75-28-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Dimethyl ether (115-10-6)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### 2,2'-Dimorpholinodiethyl ether (6425-39-4)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### TCPP (13674-84-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR  | IMDG   | IATA   | ADN  | RID  |
|--|--|--|--|--|
| <b>14.1. UN number or ID number</b>  |  |  |  |  |
| UN 1950  | UN 1950  | UN 1950  | UN 1950  | UN 1950  |
| <b>14.2. UN proper shipping name</b>   |  |  |  |  |
| AEROSOLS   | AEROSOLS   | Aerosols, flammable  | AEROSOLS   | AEROSOLS   |
| <b>Transport document description</b>  |  |  |  |  |
| UN 1950 AEROSOLS, 2.1, (D)   | UN 1950 AEROSOLS, 2.1  | UN 1950 Aerosols, flammable, 2.1   | UN 1950 AEROSOLS, 2.1  | UN 1950 AEROSOLS, 2.1  |
| <b>14.3. Transport hazard class(es)</b>  |  |  |  |  |
| 2.1  | 2.1  | 2.1  | 2.1  | 2.1  |
|  |  |  |  |  |
| <b>14.4. Packing group</b>   |  |  |  |  |
| Not applicable   | Not applicable   | Not applicable   | Not applicable   | Not applicable   |
| <b>14.5. Environmental hazards</b>   |  |  |  |  |
| Dangerous for the environment: No  | Dangerous for the environment: No<br>Marine pollutant: No                          | Dangerous for the environment: No  | Dangerous for the environment: No  | Dangerous for the environment: No  |
| No supplementary information available   |  |  |  |  |

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR) : 5F  
Special provisions (ADR) : 190, 327, 344, 625  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E0  
Packing instructions (ADR) : P207, LP200  
Special packing provisions (ADR) : PP87, RR6, L2  
Mixed packing provisions (ADR) : MP9  
Transport category (ADR) : 2  
Special provisions for carriage - Packages (ADR) : V14  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12  
Special provisions for carriage - Operation (ADR) : S2  
Tunnel restriction code (ADR) : D

##### Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959  
Packing instructions (IMDG) : P207, LP200  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D

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EmS-No. (Spillage) : S-U  
Stowage category (IMDG) : None  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

### Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 203  
PCA max net quantity (IATA) : 75kg  
CAO packing instructions (IATA) : 203  
CAO max net quantity (IATA) : 150kg  
Special provisions (IATA) : A145, A167, A802  
ERG code (IATA) : 10L

### Inland waterway transport

Classification code (ADN) : 5F  
Special provisions (ADN) : 190, 327, 344, 625  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E0  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01, VE04  
Number of blue cones/lights (ADN) : 1

### Rail transport

Classification code (RID) : 5F  
Special provisions (RID) : 190, 327, 344, 625  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E0  
Packing instructions (RID) : P207, LP200  
Special packing provisions (RID) : PP87, RR6, L2  
Mixed packing provisions (RID) : MP9  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 23

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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### SECTION 15: Regulatory information

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

SARA Title III - Toxic Chemical Release Inventory Reporting (Section 313): 4,4'-methylenediphenyl diisocyanate, isomers and homologues

California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986): Non-applicable

The Toxic Substances Control Act (TSCA) : 4,4'-methylenediphenyl diisocyanate, isomers and homologues ; Propane-1,2-diol, propoxylated ; Glycerol, propoxylated ; Isobutane ; 1,1-difluoroethane ; Dimethyl ether ; Propane

Massachusetts RTK - Substance List: 4,4'-methylenediphenyl diisocyanate, isomers and homologues

New Jersey Worker and Community Right-to-Know Act: 4,4'-methylenediphenyl diisocyanate, isomers and homologues ; Isobutane ; 1,1-difluoroethane ; Dimethyl ether ; Propane

New York RTK - Substance list: Isobutane ; 1,1-difluoroethane ; Dimethyl ether ; Propane

Pennsylvania Worker and Community Right-to-Know Law: Isobutane ; Dimethyl ether ; Propane

NTP (National Toxicology Program): Non-applicable

Hazardous substances release notification under CERCLA sections 102-103 (40 CFR Part 302): Non-applicable

#### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

#### Other legislation:

The Toxic Substances Control Act (TSCA)

SARA Title III - Community Right-to-Know Reporting Requirements (Sections 311-312)

SARA Title III - Toxic Chemical Release Inventory Reporting (Section 313)

Emergency Planning and Community Right-to-Know Act (EPCRA) Reportable Quantities

### SECTION 16: Other information

#### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC-No. | European Community number   |
| EC50   | Median effective concentration  |
| EN     | European Standard   |
| IARC   | International Agency for Research on Cancer   |
| IATA   | International Air Transport Association   |
| IMDG   | International Maritime Dangerous Goods  |
| LC50   | Median lethal concentration   |
| LD50   | Median lethal dose  |
| LOAEL  | Lowest Observed Adverse Effect Level  |

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|         |  |
|---------|--|
| NOAEC   | No-Observed Adverse Effect Concentration                                     |
| NOAEL   | No-Observed Adverse Effect Level   |
| NOEC    | No-Observed Effect Concentration   |
| OECD    | Organisation for Economic Co-operation and Development                       |
| OEL     | Occupational Exposure Limit  |
| PBT     | Persistent Bioaccumulative Toxic   |
| PNEC    | Predicted No-Effect Concentration  |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet  |
| STP     | Sewage treatment plant   |
| ThOD    | Theoretical oxygen demand (ThOD)   |
| TLM     | Median Tolerance Limit   |
| VOC     | Volatile Organic Compounds   |
| CAS-No. | Chemical Abstract Service number   |
| N.O.S.  | Not Otherwise Specified  |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| ED      | Endocrine disrupting properties  |

### Full text of H- and EUH-statements:

|                           |  |
|---------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4  |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4  |
| Carc. 2                   | Carcinogenicity, Category 2  |
| EUH204                    | Contains isocyanates. May produce an allergic reaction.                    |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2                              |
| Flam. Gas 1A              | Flammable gases, Category 1A   |
| H220                      | Extremely flammable gas.   |
| H222                      | Extremely flammable aerosol.   |
| H229                      | Pressurised container: May burst if heated.                                |
| H280                      | Contains gas under pressure; may explode 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.   |
| H373                      | May cause damage to organs through prolonged or repeated exposure.         |
| Press. Gas                | Gases under pressure   |
| Press. Gas (Diss.)        | Gases under pressure : Dissolved gas                                       |

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|               |  |
|---------------|--|
| Resp. Sens. 1 | Respiratory sensitisation, Category 1  |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1  | Skin sensitisation, Category 1   |
| STOT RE 2     | Specific target organ toxicity – Repeated exposure, Category 2                             |
| STOT SE 3     | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

Safety Data Sheet (SDS), EU

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