

# SAFETY DATA SHEET



According to Work Health and Safety (WHS) Australia

Easy-Mix PU-240 Polyurethane Adhesive Resin

## Section 1. Identification

**Product identifier** : Easy-Mix PU-240 Polyurethane Adhesive Resin  
**Product code** : 107531

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

Not available.

**Supplier's details** : WEICON GmbH & Co. KG  
Königsberger Str. 25,  
48157 Münster, Germany  
phone: +49 251 93220,  
email: info@weicon.de,  
URL: www.weicon.de

**e-mail address of person responsible for this SDS** : msds@weicon.de

### National contact

WEICON Australia Pty. Ltd  
1/55-65 Christensen Road, Stapylton QLD 4207  
Phone: +61 493473383  
E-Mail: info@weicon.com.au  
website: www.weicon.com.au

**Emergency telephone number** : **National Poison Information Center: Tel: 131126**  
**TRANSPORT / EMERGENCY CONTACT (24h): Tel: +61 2 8014 4558 (English)**  
**TRANSPORT / EMERGENCY CONTACT (24h): Tel.: 1800 074 234 (English)**

## Section 2. Hazard(s) identification

**Classification of the substance or mixture** : ACUTE TOXICITY (inhalation) - Category 3  
SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
RESPIRATORY SENSITIZATION - Category 1  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

### GHS label elements

**Hazard pictograms** :



**Signal word** : **DANGER**

**Hazard statements** : H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H331 - Toxic if inhaled.  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 - May cause respiratory irritation.  
H351 - Suspected of causing cancer.  
H372 - Causes damage to organs through prolonged or repeated exposure.

### Precautionary statements

## Section 2. Hazard(s) identification

|                                    |  |
|------------------------------------|--|
| <b>Prevention</b>                  | : P201 - Obtain special instructions before use.<br>P260 - Do not breathe vapor.<br>P264 - Wash thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P284 - Wear respiratory protection.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection.   |
| <b>Response</b>                    | : P308 + P313 - IF exposed or concerned: Get medical advice or attention.<br>P304 + P340, P311 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor.<br>P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.<br>P362 + P364 - Take off contaminated clothing and wash it before reuse.<br>P302 + P352 - IF ON SKIN: Wash with plenty of water.<br>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| <b>Storage</b>                     | : P405 - Store locked up.<br>P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  |
| <b>Disposal</b>                    | : P501 - Dispose of waste according to applicable legislation.   |
| <b>Supplemental label elements</b> | : Not applicable.  |

**Other hazards which do not result in classification** : None known.

## Section 3. Composition and ingredient information

**Substance/mixture** : Mixture

| Ingredient name                                       | % (w/w)   | CAS number | Classification   |
|---|-----------|------------|--|
| Isocyanic acid, polymethylenepolyphenylene ester      | ≥10 - <25 | 9016-87-9  | ACUTE TOXICITY (inhalation) - Category 2<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br>RESPIRATORY SENSITIZATION - Category 1<br>SKIN SENSITIZATION - Category 1<br>CARCINOGENICITY - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 |
| Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer | ≥10 - ≤30 | 25686-28-6 | ACUTE TOXICITY (inhalation) - Category 2<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br>RESPIRATORY SENSITIZATION - Category 1<br>SKIN SENSITIZATION - Category 1<br>CARCINOGENICITY - Category 2  |

### Section 3. Composition and ingredient information

|  |     |          |  |
|--|-----|----------|--|
| benzene, 1,1'-methylenebis[4-isocyanato- | <10 | 101-68-8 | <p>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p> <p>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</p> <p>ACUTE TOXICITY (inhalation) - Category 2</p> <p>SKIN CORROSION/IRRITATION - Category 2</p> <p>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A</p> <p>RESPIRATORY SENSITIZATION - Category 1</p> <p>SKIN SENSITIZATION - Category 1</p> <p>CARCINOGENICITY - Category 2</p> <p>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</p> <p>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</p> |
|--|-----|----------|--|

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Section 4. First aid measures

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Toxic if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
Hydrogen cyanide (HCN).

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

## Section 5. Fire-fighting measures

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name                                       | Exposure limits   |
|---|---|
| Isocyanic acid, polymethylenepolyphenylene ester      | <b>Safe Work Australia (Australia, 10/2022). [Isocyanates, all (as -NCO)] Skin sensitizer. Inhalation sensitizer.</b><br>STEL: 0.07 mg/m <sup>3</sup> , (as -NCO) 15 minutes.<br>TWA: 0.02 mg/m <sup>3</sup> , (as -NCO) 8 hours. |
| Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer | <b>Safe Work Australia (Australia, 10/2022). [Isocyanates, all (as -NCO)] Skin sensitizer. Inhalation sensitizer.</b><br>STEL: 0.07 mg/m <sup>3</sup> , (as -NCO) 15 minutes.<br>TWA: 0.02 mg/m <sup>3</sup> , (as -NCO) 8 hours. |
| benzene, 1,1'-methylenebis[4-isocyanato-              | <b>Safe Work Australia (Australia, 10/2022). Skin sensitizer. Inhalation sensitizer.</b><br>STEL: 0.07 mg/m <sup>3</sup> , (as -NCO) 15 minutes.<br>TWA: 0.02 mg/m <sup>3</sup> , (as -NCO) 8 hours.                              |

#### Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Skin protection

##### Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. Recommended : ; Viton® , Butyl rubber gloves.

##### Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### Respiratory protection

- : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended : inorganic gases/vapors filter (Type B)

## Section 9. Physical and chemical properties

### Appearance

|  |   |
|--|---|
| <b>Physical state</b>  | : Liquid.   |
| <b>Color</b>   | : Black.  |
| <b>Odor</b>  | : Bland. [Strong]   |
| <b>Odor threshold</b>  | : Not available.  |
| <b>pH</b>  | : Not applicable.   |
| <b>Melting point</b>   | : Not available.  |
| <b>Boiling point, initial boiling point, and boiling range</b> | : Not available.  |
| <b>Flash point</b>   | : Closed cup: >93.3°C (>199.9°F)  |
| <b>Evaporation rate</b>  | : Not available.  |
| <b>Flammability</b>  | : Highly flammable in the presence of the following materials or conditions: acids, alkalis and moisture. |
| <b>Lower and upper explosion limit/flammability limit</b>      | : Not available.  |
| <b>Vapor pressure</b>  | :   |

| Ingredient name                           | Vapor Pressure at 20°C |           |        | Vapor pressure at 50°C |     |        |
|---|------------------------|-----------|--------|------------------------|-----|--------|
|   | mm Hg                  | kPa       | Method | mm Hg                  | kPa | Method |
| benzene, 1,1'-methylenebis [4-isocyanato- | 0.0000052              | 0.0000069 |        |                        |     |        |

|   |  |
|---|--|
| <b>Relative vapor density</b>                 | : Not available.                       |
| <b>Relative density</b>                       | : Not available.                       |
| <b>Density</b>                                | : 1.28 g/cm <sup>3</sup> [20°C (68°F)] |
| <b>Solubility(ies)</b>                        | :<br>Not available.                    |
| <b>Solubility in water</b>                    | : Not available.                       |
| <b>Miscible with water</b>                    | : No.                                  |
| <b>Partition coefficient: n-octanol/water</b> | : Not applicable.                      |
| <b>Auto-ignition temperature</b>              | : Not applicable.                      |
| <b>Decomposition temperature</b>              | : Not available.                       |
| <b>Viscosity</b>                              | : Dynamic: 60000 mPa·s (60000 cP)      |
| <b>Flow time (ISO 2431)</b>                   | : Not available.                       |

### Particle characteristics

|                             |                   |
|-----------------------------|-------------------|
| <b>Median particle size</b> | : Not applicable. |
|-----------------------------|-------------------|

## Section 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | : The product is stable.   |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid</b>                | : No specific data.  |
| <b>Incompatible materials</b>             | : No specific data.  |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                                | Result                          | Species | Dose                  | Exposure |
|--|---------------------------------|---------|-----------------------|----------|
| Isocyanic acid, polymethylenepolyphenylene ester       | LC50 Inhalation Dusts and mists | Rat     | 0.31 mg/l             | 4 hours  |
|  | LC50 Inhalation Vapor           | Rat     | 490 mg/m <sup>3</sup> | 4 hours  |
|  | LD50 Dermal                     | Rabbit  | >9400 mg/kg           | -        |
|  | LD50 Oral                       | Rat     | 49 g/kg               | -        |
| Benzene, 1,1'-methylenebis [4-isocyanato-, homopolymer | LC50 Inhalation Dusts and mists | Rat     | 0.49 mg/l             | 4 hours  |
| benzene, 1,1'-methylenebis [4-isocyanato-              | LC50 Inhalation Dusts and mists | Rat     | 0.368 mg/l            | 4 hours  |
|  | LD50 Oral                       | Rat     | 9200 mg/kg            | -        |

#### Acute toxicity estimates

| Route                        | ATE value |
|------------------------------|-----------|
| Inhalation (vapors)          | 2.5 mg/l  |
| Inhalation (dusts and mists) | 0.8 mg/l  |

#### Irritation/Corrosion

| Product/ingredient name                          | Result                   | Species | Score | Exposure | Observation |
|--|--------------------------|---------|-------|----------|-------------|
| Isocyanic acid, polymethylenepolyphenylene ester | Eyes - Mild irritant     | Rabbit  | -     | 100 mg   | -           |
| benzene, 1,1'-methylenebis [4-isocyanato-        | Eyes - Moderate irritant | Rabbit  | -     | 100 mg   | -           |

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

| Name  | Category   | Route of exposure | Target organs                |
|---|------------|-------------------|------------------------------|
| Isocyanic acid, polymethylenepolyphenylene ester      | Category 3 | -                 | Respiratory tract irritation |
| Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer | Category 3 | -                 | Respiratory tract irritation |
| benzene, 1,1'-methylenebis[4-isocyanato-              | Category 3 | -                 | Respiratory tract irritation |

#### Specific target organ toxicity (repeated exposure)



## Section 11. Toxicological information

| Name  | Category   | Route of exposure | Target organs |
|---|------------|-------------------|---------------|
| Isocyanic acid, polymethylenepolyphenylene ester      | Category 1 | -                 | -             |
| Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer | Category 1 | -                 | -             |
| benzene, 1,1'-methylenebis[4-isocyanato-              | Category 1 | -                 | -             |

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Toxic if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma

**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**General** : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

## Section 11. Toxicological information

### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name                               | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Easy-Mix PU-240 Polyurethane Adhesive Resin           | N/A          | N/A            | N/A                      | 2.5                        | 0.80                                |
| Isocyanic acid, polymethylenepolyphenylene ester      | 49000        | N/A            | N/A                      | 0.5                        | 0.31                                |
| Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer | N/A          | N/A            | N/A                      | N/A                        | 0.49                                |
| benzene, 1,1'-methylenebis[4-isocyanato-              | 9200         | N/A            | N/A                      | N/A                        | 0.368                               |

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name                                | LogP <sub>ow</sub> | BCF | Potential |
|--|--------------------|-----|-----------|
| Benzene, 1,1'-methylenebis [4-isocyanato-, homopolymer | 8.56               | 200 | Low       |
| benzene, 1,1'-methylenebis [4-isocyanato-              | 4.51               | 200 | Low       |

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                            | ADG            | ADR/RID        | IMDG           | IATA           |
|----------------------------|----------------|----------------|----------------|----------------|
| UN number                  | Not available. | Not available. | Not available. | Not available. |
| UN proper shipping name    | Not available. | Not available. | Not available. | Not available. |
| Transport hazard class(es) | Not available. | Not available. | Not available. | Not available. |
| Packing group              | -              | -              | -              | -              |
| Environmental hazards      | No.            | No.            | No.            | No.            |

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

|                                |   |
|--------------------------------|---|
| <b>Australia</b>               | : All components are listed or exempted.  |
| <b>Canada</b>                  | : All components are listed or exempted.  |
| <b>China</b>                   | : All components are listed or exempted.  |
| <b>Eurasian Economic Union</b> | : <b>Russian Federation inventory:</b> All components are listed or exempted.   |
| <b>Japan</b>                   | : <b>Japan inventory (CSCL):</b> All components are listed or exempted.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>New Zealand</b>             | : All components are listed or exempted.  |
| <b>Philippines</b>             | : All components are listed or exempted.  |
| <b>Republic of Korea</b>       | : All components are listed or exempted.  |
| <b>Taiwan</b>                  | : All components are listed or exempted.  |

## Section 15. Regulatory information

|                      |  |
|----------------------|--|
| <b>Thailand</b>      | : All components are listed or exempted. |
| <b>Turkey</b>        | : Not determined.                        |
| <b>United States</b> | : All components are active or exempted. |
| <b>Viet Nam</b>      | : All components are listed or exempted. |

## Section 16. Any other relevant information

### History

|                                       |  |
|---------------------------------------|--|
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| <b>Version</b>                        | : 2.3  |
| <b>Key to abbreviations</b>           | : ADG = Australian Dangerous Goods<br>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road<br>ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>SGG = Segregation Group<br>SUSMP = Standard Uniform Schedule of Medicine and Poisons<br>UN = United Nations |

### Procedure used to derive the classification

| Classification   | Justification      |
|--|--------------------|
| ACUTE TOXICITY (inhalation) - Category 3   | Calculation method |
| SKIN CORROSION/IRRITATION - Category 2   | Calculation method |
| SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A   | Calculation method |
| RESPIRATORY SENSITIZATION - Category 1   | Calculation method |
| SKIN SENSITIZATION - Category 1  | Calculation method |
| CARCINOGENICITY - Category 2   | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1                              | Calculation method |

**References** : Not available.

🔵 Indicates information that has changed from previously issued version.

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