

## Safety Data Sheet

### MAPEDECK VISCOELASTIC 100 / B

Safety Data Sheet dated: 10/10/2025 - version 2

Date of first edition: 02/12/2024



## 1. IDENTIFICATION

### Product identifier used on the label

Mixture identification:

Trade name: MAPEDECK VISCOELASTIC 100 / B

Trade code: 9025870

### Recommended use of the chemical and restrictions on use

Recommended use: Hardener for polyurethane resins

Restrictions on use: Data not available.

### Name, U.S. address, and U.S. telephone number of the chemical manufacturer, importer, or other responsible party

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

Responsible: RDProductSafety@mapei.com

### Emergency 24 hour numbers:

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

Acute toxicity (inhalation), Category 4

Harmful if inhaled.

Skin irritation, Category 2

Causes skin irritation.

Eye irritation, Category 2A

Causes serious eye irritation.

Respiratory Sensitization, Category 1

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sensitization, Category 1B

May cause an allergic skin reaction.

Carcinogenicity, Category 2

Suspected of causing cancer if inhaled, in contact with skin and if swallowed.

Specific target organ toxicity following single exposure, Category 3

May cause respiratory irritation.

Specific target organ toxicity following repeated exposure, Category 2

May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

### Label elements

#### Hazard pictograms and Signal Word



Danger

### Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer if inhaled, in contact with skin and if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

### Precautionary statements

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P201           | Obtain special instructions before use.                                                                                          |
| P202           | Do not handle until all safety precautions have been read and understood.                                                        |
| P260           | Do not breathe mist/vapours/spray.                                                                                               |
| P264           | Wash skin thoroughly after handling.                                                                                             |
| P271           | Use only outdoors or in a well-ventilated area.                                                                                  |
| P280           | Wear protective gloves/clothing and eye/face protection.                                                                         |
| P284           | [In case of inadequate ventilation] wear respiratory protection.                                                                 |
| P302+P352      | IF ON SKIN: Wash with plenty of water.                                                                                           |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.                                                                           |
| P312           | Call a doctor if you feel unwell.                                                                                                |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                        |
| P342+P311      | If experiencing respiratory symptoms: Call a doctor.                                                                             |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                                                                         |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                                                 |
| P501           | Dispose of contents/container in accordance with applicable regulations.                                                         |

### Hazards associated with foreseeable chemical reactions

None

### Ingredient(s) with unknown acute toxicity:

None

### Hazards not otherwise classified identified during the classification process:

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Not Relevant

### Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

#### List of components

| Qty         | Name                                                                                           | Ident. Numb.                                                | Classification                                                                                                                                                   |
|-------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ≥80 - <85 % | polymethylene polyphenylene isocyanate;<br>Isocyanic acid,<br>polymethylenepolyphenylene ester | CAS:9016-87-9<br>EC:618-498-9                               | Acute Tox. 4, H332; Eye Irrit. 2A, H319;<br>STOT SE 3, H335; Skin Irrit. 2, H315;<br>Resp. Sens. 1, H334; Skin Sens. 1, H317;<br>STOT RE 2, H373; Carc. 2, H351  |
| ≥10 - <15 % | methylenediphenyl diisocyanate (mdi);<br>1,1'-Methylenebis [isocyanatobenzene]                 | CAS:26447-40-5<br>EC:247-714-0<br>EU CLP Index:615-005-00-9 | Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye<br>Irrit. 2A, H319; Resp. Sens. 1, H334; Skin<br>Sens. 1B, H317; Carc. 2, H351; STOT SE 3,<br>H335; STOT RE 2, H373 |
| ≥5 - <10 %  | 4,4'-methylenediphenyl diisocyanate;<br>benzene, 1,1'-methylenebis[4-isocyanato-               | CAS:101-68-8<br>EC:202-966-0<br>EU CLP Index:615-005-00-9   | Acute Tox. 4, H332; Eye Irrit. 2A, H319;<br>STOT SE 3, H335; Skin Irrit. 2, H315;<br>Resp. Sens. 1, H334; Skin Sens. 1, H317;<br>STOT RE 2, H373; Carc. 2, H351  |

The actual concentration of the components listed above is withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Obtain medical attention if skin related symptoms persist.
- Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

---

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

### Unsuitable extinguishing media:

None in particular.

### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not available

Oxidizing properties: Not available

### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

---

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

---

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature: Not available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Occupational Exposure Limits (OEL)

|                                                                                                            | OEL Type | Country | Occupational Exposure Limit                                                                           |
|------------------------------------------------------------------------------------------------------------|----------|---------|-------------------------------------------------------------------------------------------------------|
| polymethylene polyphenylene isocyanate; Isocyanic acid, polymethylenepolyphenylene ester<br>CAS: 9016-87-9 | ACGIH    |         | Long Term: 0,05 ppm                                                                                   |
|                                                                                                            | MAK      | GERMANY | Long Term: 0,05 mg/m3                                                                                 |
| methylenediphenyl diisocyanate (mdi); 1,1'-Methylenebis [isocyanatobenzene]<br>CAS: 26447-40-5             | OSHA     |         | Short Term: Ceiling - 0,2 mg/m3 - 0,02 ppm                                                            |
|                                                                                                            | MAK      | AUSTRIA | Short Term: 0,1 mg/m3 - 0,01 ppm                                                                      |
|                                                                                                            | EU       |         | Long Term: 0,006 mg/m3; Short Term: 0,012 mg/m3<br>Skin; Dermal and respiratory sensitisation         |
| 4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-<br>CAS: 101-68-8             | ACGIH    |         | Long Term: 0,005 ppm<br>Resp sens                                                                     |
|                                                                                                            | MAK      | GERMANY | Long Term: 0,05 mg/m3                                                                                 |
|                                                                                                            | ACGIH    |         | Long Term: 0,005 ppm<br>respiratory sensitization (listed under Methylene bisphenyl isocyanate (MDI)) |
|                                                                                                            | OSHA     |         | Short Term: Ceiling - 0,2 mg/m3 - 0,02 ppm                                                            |
|                                                                                                            | MAK      | AUSTRIA | Long Term: 0,05 mg/m3 - 0,005 ppm; Short Term: 0,1 mg/m3 - 0,01 ppm                                   |
|                                                                                                            | ACGIH    |         | Long Term: 0,005 ppm<br>respiratory sensitization (listed under Methylene bisphenyl isocyanate (MDI)) |
|                                                                                                            | OSHA     |         | Short Term: Ceiling - 0,2 mg/m3 - 0,02 ppm                                                            |
|                                                                                                            | EU       |         | Long Term: 0,006 mg/m3; Short Term: 0,012 mg/m3<br>Skin; Dermal and respiratory sensitisation         |

#### Predicted No Effect Concentration (PNEC) values

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-  
CAS: 101-68-8

Exposure Route: Fresh Water; PNEC Limit: 1 mg/l

Exposure Route: Marine water; PNEC Limit: 0,1 mg/l

Exposure Route: Soil; PNEC Limit: 1 mg/kg

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 1 mg/l

Exposure Route: Intermittent release; PNEC Limit: 10 mg/l

#### Derived No Effect Level (DNEL) values

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-  
CAS: 101-68-8

Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects  
Worker Industry: 50 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects  
Worker Industry: 0,1 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects  
Worker Industry: 0,1 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Industry: 0,05 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Worker Industry: 0,05 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects  
Consumer: 25 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects  
Consumer: 0,05 mg/m3

Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects  
Consumer: 20 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects  
Consumer: 0,05 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Consumer: 0,025 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Consumer: 0,025 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Short Term, local effects  
Worker Industry: 28,7 mg/cm2; Consumer: 17,2 mg/cm2

Appropriate engineering controls: Not available

#### **Individual protection measures**

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

---

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

|                                               |                    |
|-----------------------------------------------|--------------------|
| Physical state:                               | Liquid             |
| Appearance and colour:                        | liquid light brown |
| Odour:                                        | characteristic     |
| Odour threshold:                              | No data available  |
| Melting point / freezing point:               | No data available  |
| Initial boiling point and boiling range:      | No data available  |
| Flammability:                                 | No data available  |
| Upper/lower flammability or explosive limits: | No data available  |
| Flash point:                                  | No data available  |
| Auto-ignition temperature:                    | No data available  |

|                                          |                        |
|------------------------------------------|------------------------|
| Decomposition temperature:               | No data available      |
| pH:                                      | No data available      |
| Viscosity:                               | No data available      |
| Kinematic viscosity:                     | No data available      |
| Solubility in water:                     | partly soluble         |
| Solubility in oil:                       | No data available      |
| Partition coefficient (n-octanol/water): | No data available      |
| Vapour pressure:                         | No data available      |
| Evaporation rate:                        | No data available      |
| Relative density:                        | 1.23 g/cm <sup>3</sup> |
| Vapour density:                          | No data available      |

#### Particle characteristics:

|                |                   |
|----------------|-------------------|
| Particle size: | No data available |
|----------------|-------------------|

#### Other information

|                                       |                   |
|---------------------------------------|-------------------|
| Explosive properties:                 | No data available |
| Oxidizing properties:                 | No data available |
| Solid/gas flammability:               | No data available |
| Substance Groups relevant properties: | No data available |
| Miscibility:                          | No data available |
| Fat Solubility:                       | No data available |
| Conductivity:                         | No data available |

---

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Data not available.

### Possibility of hazardous reactions

None.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

---

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological Information of the Preparation

|                                      |                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------|
| a) acute toxicity                    | The product is classified: Acute toxicity (inhalation), Category 4(H332)                                      |
| b) skin corrosion/irritation         | The product is classified: Skin irritation, Category 2(H315)                                                  |
| c) serious eye damage/irritation     | The product is classified: Eye irritation, Category 2A(H319)                                                  |
| d) respiratory or skin sensitisation | The product is classified: Respiratory Sensitization, Category 1(H334), Skin Sensitization, Category 1B(H317) |
| e) germ cell mutagenicity            | Not classified                                                                                                |
|                                      | Based on available data, the classification criteria are not met                                              |
| f) carcinogenicity                   | The product is classified: Carcinogenicity, Category 2(H351)                                                  |

|                           |                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------|
| g) reproductive toxicity  | Not classified<br>Based on available data, the classification criteria are not met                      |
| h) STOT-single exposure   | The product is classified: Specific target organ toxicity following single exposure, Category 3(H335)   |
| i) STOT-repeated exposure | The product is classified: Specific target organ toxicity following repeated exposure, Category 2(H373) |
| j) aspiration hazard      | Not classified<br>Based on available data, the classification criteria are not met                      |

#### Toxicological information on main components of the mixture:

|                                                                                          |                          |                                           |      |
|------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|------|
| polymethylene polyphenylene isocyanate; Isocyanic acid, polymethylenepolyphenylene ester | a) acute toxicity        | LD50 Oral Rat > 10000 mg/kg               |      |
|                                                                                          |                          | LD50 Skin Rabbit > 9400 mg/kg             |      |
|                                                                                          |                          | LD50 Skin Rabbit > 9,4 g/kg               |      |
|                                                                                          |                          | LD50 Oral Rat = 49, g/kg                  |      |
|                                                                                          | g) reproductive toxicity | NOAEL Inhalation Rat = 12, mg/m3          |      |
| methylenediphenyl diisocyanate (mdi); 1,1'-Methylenebis [isocyanatobenzene]              | a) acute toxicity        | LD50 Skin Rabbit > 10000 mg/kg            |      |
|                                                                                          |                          | LC50 Inhalation Rat = 490 mg/m3 4h        |      |
|                                                                                          |                          | LD50 Oral Rat > 10000 mg/kg               |      |
| 4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-            | a) acute toxicity        | LD50 Oral Rat > 2000 mg/kg                |      |
|                                                                                          | f) carcinogenicity       | Carcinogenicity Inhalation Rat = 6, mg/m3 | 2 y  |
|                                                                                          | g) reproductive toxicity | NOAEL Inhalation Rat = 12, mg/m3          | 20 d |

#### Substance(s) listed on the IARC Monographs:

|                                                                                          |         |
|------------------------------------------------------------------------------------------|---------|
| polymethylene polyphenylene isocyanate; Isocyanic acid, polymethylenepolyphenylene ester | Group 3 |
| methylenediphenyl diisocyanate (mdi); 1,1'- Methylenebis [isocyanatobenzene]             | Group 3 |
| 4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-            | Group 3 |

#### Substance(s) listed as OSHA Carcinogen(s):

None

#### Substance(s) listed as NIOSH Carcinogen(s):

None

#### Substance(s) listed on the NTP report on Carcinogens:

None

## 12. ECOLOGICAL INFORMATION

### Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

### List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

### List of Eco-Toxicological properties of the components

| Component                                                                                | Ident. Numb.                                                    | Ecotox Data                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| polymethylene polyphenylene isocyanate; Isocyanic acid, polymethylenepolyphenylene ester | CAS: 9016-87-9<br>- EINECS: 618-498-9                           | a) Aquatic acute toxicity : LC50 Fish > 1000 mg/L 96<br><br>a) Aquatic acute toxicity : EC50 Daphnia > 1000 mg/L 24<br>b) Aquatic chronic toxicity : NOEC Daphnia > 10 mg/L - 21 d<br>a) Aquatic acute toxicity : EC50 Algae > 1640 mg/L 72<br>c) Bacteria toxicity : EC50 > 100 mg/L 3<br>d) Terrestrial toxicity : NOEC > 1000 mg/kg - 14 d<br>e) Plant toxicity : NOEC > 1000 mg/kg - 14 d |
| methylenediphenyl diisocyanate (mdi); 1,1'-Methylenebis[isocyanatobenzene]               | CAS: 26447-40-5<br>- EINECS: 247-714-0<br>- INDEX: 615-005-00-9 | d) Terrestrial toxicity : LC50 Worm Eisenia foetida > 1000 mg/kg 14d IUCLID<br><br>d) Terrestrial toxicity : NOEC Worm Eisenia foetida >= 1000 mg/kg 14d IUCLID                                                                                                                                                                                                                               |
| 4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-            | CAS: 101-68-8<br>- EINECS: 202-966-0<br>- INDEX: 615-005-00-9   | a) Aquatic acute toxicity : LC50 Fish > 1000 mg/L 96<br><br>a) Aquatic acute toxicity : EC50 Daphnia > 1000 mg/L 24<br>b) Aquatic chronic toxicity : NOEC Daphnia > 10 mg/L - 21 d<br>a) Aquatic acute toxicity : EC50 Algae > 1640 mg/L 72<br>c) Bacteria toxicity : EC50 > 100 mg/L 3<br>d) Terrestrial toxicity : NOEC > 1000 mg/kg - 14 d<br>e) Plant toxicity : NOEC > 1000 mg/kg - 14 d |

### Persistence and degradability

N.A.

### Bioaccumulative potential

N.A.

### Mobility in soil

N.A.

### Other adverse effects

N.A.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

#### Methods of disposal:

Disposal of this product, solutions, packaging 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 nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

#### Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

#### Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

---

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### UN number

DOT-UN Number: Not Applicable  
ADR-UN number: Not Applicable  
IATA-Un number: Not Applicable  
IMDG-Un number: Not Applicable

### UN proper shipping name

DOT-Proper Shipping Name: Not Applicable  
ADR-Shipping Name: Not Applicable  
IATA-Technical name: Not Applicable  
IMDG-Technical name: Not Applicable

### Transport hazard class(es)

DOT-Hazard Class: Not Applicable  
ADR-Class: Not Applicable  
IATA-Class: Not Applicable  
IMDG-Class: Not Applicable

### Packing group

DOT Packing Group: Not Applicable  
ADR-Packing Group: Not Applicable  
IATA-Packing group: Not Applicable  
IMDG-Packing group: Not Applicable

### Environmental hazards

Marine pollutant: No  
Environmental Pollutant: Not Applicable  
DOT-RQ: Yes                      DOT-RQ - Quantity: 5000 lbs

### Transport in bulk according to IMO instruments

N.A.  
Not Applicable

### Special precautions

Department of Transportation (DOT):

Not Applicable

Road and Rail ( ADR-RID ) :

Not Applicable

Air ( IATA ) :

Not Applicable

Sea ( IMDG ) :

Not Applicable

---

## 15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared according to the Hazard Communication Standard 2024 (HCS 2024)

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

All the components are listed on the TSCA inventory

##### TSCA listed substances:

polymethylene polyphenylene                      is listed in TSCA   Section 8b  
isocyanate; Isocyanic acid,  
polymethylenepolyphenylene ester

methylenediphenyl diisocyanate                      is listed in TSCA   Section 8b Section 8a - PAIR Section 5  
(mdi); 1,1'- Methylenebis  
[isocyanatobenzene]

4,4'-methylenediphenyl                      is listed in TSCA   Section 8b Section 8a - PAIR Section 5  
diisocyanate; benzene, 1,1'-  
methylenebis[4-isocyanato-

#### SARA - Superfund Amendments and Reauthorization Act

##### Section 302 - Extremely Hazardous Substances:

No substances listed

##### Section 304 - Hazardous substances:

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-

**Section 313 - Toxic chemical list:**

polymethylene polyphenylene isocyanate; Isocyanic acid, polymethylenepolyphenylene ester

methylenediphenyl diisocyanate (mdi); 1,1'-Methylenebis [isocyanatobenzene]

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-

**CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

**Substance(s) listed under CERCLA:**

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato- Reportable quantity: 5000 pounds

**CAA - Clean Air Act**

**CAA listed substances:**

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato- is listed in CAA Section 112(b) - HAP Section 112(b) - HON

**CWA - Clean Water Act**

**CWA listed substances:**

No substances listed

**USA - State specific regulations**

**California Proposition 65**

**Substance(s) listed under California Proposition 65:**

No substances listed

**Massachusetts Right to know**

**Substance(s) listed under Massachusetts Right to know:**

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-

**Pennsylvania Right to know**

**Substance(s) listed under Pennsylvania Right to know:**

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-

**New Jersey Right to know**

**Substance(s) listed under New Jersey Right to know:**

polymethylene polyphenylene isocyanate; Isocyanic acid, polymethylenepolyphenylene ester

methylenediphenyl diisocyanate (mdi); 1,1'-Methylenebis [isocyanatobenzene]

4,4'-methylenediphenyl diisocyanate; benzene, 1,1'-methylenebis[4-isocyanato-

**Canada - Federal regulations**

**DSL - Domestic Substances List**

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List**

This product complies with NDSL inventory

**NPRI - National Pollutant Release Inventory**

**NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

---

**16. OTHER INFORMATION**

Safety Data Sheet dated: 10/10/2025 - version 2

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

| Code | Description                          |
|------|--------------------------------------|
| 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.            |
| H373 | May cause damage to organs through prolonged or repeated exposure if inhaled. |

| Code        | Hazard class and hazard category | Description                                                            |
|-------------|----------------------------------|------------------------------------------------------------------------|
| A.1/4/Inhal | Acute Tox. 4                     | Acute toxicity (inhalation), Category 4                                |
| A.2/2       | Skin Irrit. 2                    | Skin irritation, Category 2                                            |
| A.3/2A      | Eye Irrit. 2A                    | Eye irritation, Category 2A                                            |
| A.4.1/1     | Resp. Sens. 1                    | Respiratory Sensitization, Category 1                                  |
| A.4.2/1     | Skin Sens. 1                     | Skin Sensitization, Category 1                                         |
| A.4.2/1B    | Skin Sens. 1B                    | Skin Sensitization, Category 1B                                        |
| A.6/2       | Carc. 2                          | Carcinogenicity, Category 2                                            |
| A.8/3       | STOT SE 3                        | Specific target organ toxicity following single exposure, Category 3   |
| A.9/2       | STOT RE 2                        | Specific target organ toxicity following repeated exposure, Category 2 |

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
 IMDG: International Maritime Code for Dangerous Goods.  
 IATA: International Air Transport Association.  
 IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
 ICAO: International Civil Aviation Organization.  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
 CLP: Classification, Labeling, Packaging.  
 EU CLP Index: Index number as reported in Annex VI to EU Reg. 1272/2008  
 EINECS: European Inventory of Existing Commercial Chemical Substances.  
 INCI: International Nomenclature of Cosmetic Ingredients.  
 CAS: Chemical Abstracts Service (division of the American Chemical Society).  
 GefStoffVO: Ordinance on Hazardous Substances, Germany.  
 LC50: Lethal concentration, for 50 percent of test population.  
 LD50: Lethal dose, for 50 percent of test population.  
 DNEL: Derived No Effect Level.  
 PNEC: Predicted No Effect Concentration.  
 TLV: Threshold Limiting Value.  
 TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
 STEL: Short Term Exposure limit.  
 STOT: Specific Target Organ Toxicity.  
 WGK: German Water Hazard Class.  
 KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 16. OTHER INFORMATION