



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Bituthene Liquid Membrane Part B

**Other means of identification**

**Product Identifier** 583

**Synonyms** Detail Liquid.

**Recommended use** Construction materials.

**Recommended restrictions** No other uses are advised.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** GCP Applied Technologies

**Address** 20 Moores Rd.  
Malvern, PA 19355  
United States

**Telephone** +1 866-333-3726

**E-mail** Not available.

**Emergency phone number** 3E Global Incident Hotline  
1 760 476 3962  
1 866 519 4752 (Toll Free)  
Access Code: 336250

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards**

|                                                   |                                         |
|---------------------------------------------------|-----------------------------------------|
| Acute toxicity, inhalation                        | Category 4                              |
| Skin corrosion/irritation                         | Category 2                              |
| Serious eye damage/eye irritation                 | Category 2A                             |
| Sensitization, respiratory                        | Category 1                              |
| Sensitization, skin                               | Category 1                              |
| Carcinogenicity                                   | Category 2                              |
| Specific target organ toxicity, single exposure   | Category 3 respiratory tract irritation |
| Specific target organ toxicity, repeated exposure | Category 2                              |

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

**Precautionary statement**

**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Response</b>                                  | If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. Take off contaminated clothing and wash it before reuse. |
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep container tightly closed. Store locked up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Supplemental information</b>                  | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                               | Common name and synonyms | CAS number | %         |
|---------------------------------------------|--------------------------|------------|-----------|
| Hydrocarbons, C9-unsaturated, polymerized   |                          | 71302-83-5 | 15 - 40   |
| 4 4'-Methylenediphenyl diisocyanate         |                          | 101-68-8   | 10 - 30   |
| Methylenediphenyl diisocyanate (MDI)        |                          | 26447-40-5 | 10 - 30   |
| Methylenediphenyl diisocyanate, homopolymer |                          | 39310-05-9 | 10 - 30   |
| Triethyl phosphate                          |                          | 78-40-0    | 0.5 - 1.5 |

**Composition comments** The exact concentrations of the above listed chemicals are being withheld as a trade secret. All concentrations are in percent by weight.

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. If experiencing respiratory symptoms: Call a poison center or doctor/physician.                                           |
| <b>Skin contact</b>                                                           | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.                                                                                                    |
| <b>Eye contact</b>                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                                                                                                                          |
| <b>Ingestion</b>                                                              | Rinse mouth. Get medical attention if symptoms occur.                                                                                                                                                                                                                                                                        |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Coughing. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects. |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.                                                                                                                                                                                     |
| <b>General information</b>                                                    | If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.                                    |

### 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Powder. Carbon dioxide (CO2).                                                                 |
| <b>Unsuitable extinguishing media</b>                                | Water. Do not use water jet as an extinguisher, as this will spread the fire.                 |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                         |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                   |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

| Components                                         | Type    | Value     |
|----------------------------------------------------|---------|-----------|
| 4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8) | Ceiling | 0.2 mg/m3 |
|                                                    |         | 0.02 ppm  |

#### US. ACGIH Threshold Limit Values (TLV)

| Components                                         | Type | Value     |
|----------------------------------------------------|------|-----------|
| 4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8) | TWA  | 0.005 ppm |

#### NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

| Components                                         | Type | Value    |
|----------------------------------------------------|------|----------|
| 4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8) | IDLH | 75 mg/m3 |

#### US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

| Components                                         | Type    | Value      |
|----------------------------------------------------|---------|------------|
| 4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8) | Ceiling | 0.2 mg/m3  |
|                                                    |         | 0.02 ppm   |
|                                                    | TWA     | 0.05 mg/m3 |
|                                                    |         | 0.005 ppm  |

#### US. OARS. Workplace Environmental Exposure Level (WEEL) Guide

| Components                       | Type | Value      |
|----------------------------------|------|------------|
| Triethyl phosphate (CAS 78-40-0) | TWA  | 7.45 mg/m3 |
|                                  |      | 1 ppm      |

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological limit values</b>                                               | No biological exposure limits noted for the ingredient(s).                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate. Provide eyewash station and safety shower. |
| <b>Individual protection measures, such as personal protective equipment</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Eye/face protection</b>                                                   | Wear safety glasses with side shields (or goggles).                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Skin protection</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Hand protection</b>                                                       | Wear appropriate chemical resistant gloves.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Other</b>                                                                 | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Respiratory protection</b>                                                | Recommended: Chemical respirator with organic vapor cartridge and full facepiece.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Thermal hazards</b>                                                       | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>General hygiene considerations</b>                                        | Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.                                                                                                 |

## 9. Physical and chemical properties

### Appearance

|                                                |                 |
|------------------------------------------------|-----------------|
| <b>Physical state</b>                          | Liquid.         |
| <b>Form</b>                                    | Liquid.         |
| <b>Color</b>                                   | Clear.          |
| <b>Odor</b>                                    | Characteristic. |
| <b>Odor threshold</b>                          | Not available.  |
| <b>pH</b>                                      | Not available.  |
| <b>Melting point/freezing point</b>            | Not available.  |
| <b>Initial boiling point and boiling range</b> | Not available.  |
| <b>Flash point</b>                             | Not available.  |
| <b>Evaporation rate</b>                        | Not available.  |
| <b>Flammability (solid, gas)</b>               | Not applicable. |

### Upper/lower flammability or explosive limits

|                                                |                |
|------------------------------------------------|----------------|
| <b>Explosive limit - lower (%)</b>             | Not available. |
| <b>Explosive limit - upper (%)</b>             | Not available. |
| <b>Vapor pressure</b>                          | Not available. |
| <b>Vapor density</b>                           | Not available. |
| <b>Relative density</b>                        | Not available. |
| <b>Solubility(ies)</b>                         |                |
| <b>Solubility (water)</b>                      | Not miscible.  |
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
| <b>Auto-ignition temperature</b>               | Not available. |
| <b>Decomposition temperature</b>               | Not available. |
| <b>Viscosity</b>                               | Not available. |
| <b>Other information</b>                       |                |
| <b>Explosive properties</b>                    | Not explosive. |
| <b>Oxidizing properties</b>                    | Not oxidizing. |

## 10. Stability and reactivity

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| <b>Conditions to avoid</b>              | Contact with incompatible materials. |
| <b>Incompatible materials</b>           | None known.                          |
| <b>Hazardous decomposition products</b> | Carbon oxides.                       |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| <b>Skin contact</b> | Causes skin irritation. May cause an allergic skin reaction.                                   |
| <b>Eye contact</b>  | Causes serious eye irritation.                                                                 |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                                                         |

|                                                                                     |                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Coughing. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Information on toxicological effects

|                       |                     |
|-----------------------|---------------------|
| <b>Acute toxicity</b> | Harmful if inhaled. |
|-----------------------|---------------------|

| Components                                         | Species | Test Results          |
|----------------------------------------------------|---------|-----------------------|
| 4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8) |         |                       |
| <b>Acute</b>                                       |         |                       |
| <b>Inhalation</b>                                  |         |                       |
| LC50                                               | Rat     | 369 mg/m3, 4 Hours    |
| Triethyl phosphate (CAS 78-40-0)                   |         |                       |
| <b>Acute</b>                                       |         |                       |
| <b>Dermal</b>                                      |         |                       |
| LD50                                               | Rabbit  | > 20 g/kg             |
| <b>Inhalation</b>                                  |         |                       |
| LC50                                               | Rat     | > 8817 mg/m3, 4 Hours |
| <b>Oral</b>                                        |         |                       |
| LD50                                               | Rat     | 1.6 g/kg              |

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Skin corrosion/irritation</b> | Causes skin irritation. |
|----------------------------------|-------------------------|

|                                          |                                |
|------------------------------------------|--------------------------------|
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation. |
|------------------------------------------|--------------------------------|

### Respiratory or skin sensitization

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| <b>Respiratory sensitization</b> | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| <b>Skin sensitization</b>        | May cause an allergic skin reaction.                                       |

|                               |                                                                             |
|-------------------------------|-----------------------------------------------------------------------------|
| <b>Germ cell mutagenicity</b> | Due to partial or complete lack of data the classification is not possible. |
|-------------------------------|-----------------------------------------------------------------------------|

|                        |                              |
|------------------------|------------------------------|
| <b>Carcinogenicity</b> | Suspected of causing cancer. |
|------------------------|------------------------------|

### IARC Monographs. Overall Evaluation of Carcinogenicity

|                                                       |                                                     |
|-------------------------------------------------------|-----------------------------------------------------|
| 4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8)    | 3 Not classifiable as to carcinogenicity to humans. |
| Methylenediphenyl diisocyanate (MDI) (CAS 26447-40-5) | 3 Not classifiable as to carcinogenicity to humans. |

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| <b>Reproductive toxicity</b> | Due to partial or complete lack of data the classification is not possible. |
|------------------------------|-----------------------------------------------------------------------------|

|                                                         |                                   |
|---------------------------------------------------------|-----------------------------------|
| <b>Specific target organ toxicity - single exposure</b> | May cause respiratory irritation. |
|---------------------------------------------------------|-----------------------------------|

|                                                           |                                                                    |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| <b>Specific target organ toxicity - repeated exposure</b> | May cause damage to organs through prolonged or repeated exposure. |
|-----------------------------------------------------------|--------------------------------------------------------------------|

|                          |                                                                             |
|--------------------------|-----------------------------------------------------------------------------|
| <b>Aspiration hazard</b> | Due to partial or complete lack of data the classification is not possible. |
|--------------------------|-----------------------------------------------------------------------------|

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Chronic effects</b> | Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. |
|------------------------|---------------------------------------------------------------------------------------------------------|

## 12. Ecological information

|                                                   |                                                                                                                                                                                                    |                                                           |  |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--|
| Ecotoxicity                                       | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |                                                           |  |
| Components                                        | Species                                                                                                                                                                                            | Test Results                                              |  |
| Triethyl phosphate (CAS 78-40-0)                  |                                                                                                                                                                                                    |                                                           |  |
| Aquatic                                           |                                                                                                                                                                                                    |                                                           |  |
| Acute                                             |                                                                                                                                                                                                    |                                                           |  |
| Fish                                              | LC50                                                                                                                                                                                               | Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours |  |
| Persistence and degradability                     | No data is available on the degradability of any ingredients in the mixture.                                                                                                                       |                                                           |  |
| Bioaccumulative potential                         |                                                                                                                                                                                                    |                                                           |  |
| Partition coefficient n-octanol / water (log Kow) |                                                                                                                                                                                                    |                                                           |  |
| 4 4'-Methylenediphenyl diisocyanate               |                                                                                                                                                                                                    | 5.22                                                      |  |
| Triethyl phosphate                                |                                                                                                                                                                                                    | 0.8                                                       |  |
| Mobility in soil                                  | No data available.                                                                                                                                                                                 |                                                           |  |
| Other adverse effects                             | The product contains volatile organic compounds which have a photochemical ozone creation potential.                                                                                               |                                                           |  |

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.                         |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                           |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.       |

## 14. Transport information

|                                                                                 |                                                                                             |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>DOT</b>                                                                      |                                                                                             |
| <b>UN number</b>                                                                | UN3082                                                                                      |
| <b>UN proper shipping name</b>                                                  | ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Methylenediphenyl diisocyanate (MDI)) |
| <b>Transport hazard class(es)</b>                                               |                                                                                             |
| <b>Class</b>                                                                    | 9                                                                                           |
| <b>Subsidiary hazard</b>                                                        | -                                                                                           |
| <b>Packing group</b>                                                            | III                                                                                         |
| <b>Environmental hazards</b>                                                    |                                                                                             |
| <b>Marine pollutant</b>                                                         | No.                                                                                         |
| <b>Special precautions for user</b>                                             | Read safety instructions, SDS and emergency procedures before handling.                     |
| <b>IATA</b>                                                                     |                                                                                             |
| Not regulated as dangerous goods.                                               |                                                                                             |
| <b>IMDG</b>                                                                     |                                                                                             |
| Not regulated as dangerous goods.                                               |                                                                                             |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established.                                                                            |

## 15. Regulatory information

|                                                                      |                                                                                                                |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>US federal regulations</b>                                        | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
| <b>Toxic Substances Control Act (TSCA)</b>                           | All components of the mixture on the TSCA 8(b) inventory are designated "active".                              |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b> |                                                                                                                |
|                                                                      | Not regulated.                                                                                                 |

**TSCA Chemical Action Plans, Chemicals of Concern**

4 4'-Methylenediphenyl diisocyanate  
(CAS 101-68-8)

Methylenediphenyl diisocyanate (MDI)  
(CAS 26447-40-5)

Methylene Diphenyl Diisocyanate (MDI) And Related Compounds  
Action Plan [RIN 2070-ZA15]

Methylene Diphenyl Diisocyanate (MDI) And Related Compounds  
Action Plan [RIN 2070-ZA15]

**CERCLA Hazardous Substance List (40 CFR 302.4)**

4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)

**SARA 313 (TRI reporting)**

| Chemical name                       | CAS number | % by wt. |
|-------------------------------------|------------|----------|
| 4 4'-Methylenediphenyl diisocyanate | 101-68-8   | 10 - 30  |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

4 4'-Methylenediphenyl diisocyanate (CAS 101-68-8)  
Methylenediphenyl diisocyanate (MDI) (CAS 26447-40-5)

**California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**International Inventories**

| Country(s) or region | Inventory name                                                         | On inventory (yes/no)* |
|----------------------|------------------------------------------------------------------------|------------------------|
| Australia            | Australian Inventory of Industrial Chemicals (AICIS)                   | No                     |
| Canada               | Domestic Substances List (DSL)                                         | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand          | New Zealand Inventory                                                  | Yes                    |
| Philippines          | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan               | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |

| Country(s) or region                                                                                                                                                                                                                                                                                   | Inventory name                                | On inventory (yes/no)* |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------|
| United States & Puerto Rico                                                                                                                                                                                                                                                                            | Toxic Substances Control Act (TSCA) Inventory | Yes                    |
| *A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)<br>A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s). |                                               |                        |

16. Other information, including date of preparation or last revision

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue date | 03-26-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Version #  | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Disclaimer | GCP Applied Technologies cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. |