



## Safety Data Sheet

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**Document group:** 11-4252-0  
**Revision date:** 16/07/2025

**Version number:** 22.01  
**Supersedes date:** 16/05/2024

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

#### 1.1. Product identifier

3M Scotch-Weld™ PUR Adhesive TE031

#### Product Identification Numbers

62-3886-5238-0

7000000902

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

##### Identified uses

Product

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

**Address:** 3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2  
**Telephone:** +353 1 280 3555  
**E Mail:** ner-productstewardship@mmm.com  
**Website:** www.3M.com

#### 1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

### SECTION 2: Hazard identification

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

CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

##### CLASSIFICATION:

Respiratory Sensitization, Category 1 - Resp. Sens. 1; H334  
Skin Sensitization, Category 1 - Skin Sens. 1; H317

Carcinogenicity, Category 2 - Carc. 2; H351

For full text of H phrases, see Section 16.

## 2.2. Label elements

**CLP REGULATION (EC) No 1272/2008**

### SIGNAL WORD

DANGER.

### Symbols

GHS08 (Health Hazard) |

### Pictograms



### Ingredients:

| Ingredient                          | CAS Nbr  | EC No.    | % by Wt |
|-------------------------------------|----------|-----------|---------|
| 4,4'-methylenediphenyl diisocyanate | 101-68-8 | 202-966-0 | <= 3    |

### HAZARD STATEMENTS:

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H317 | May cause an allergic skin reaction.                                       |
| H351 | Suspected of causing cancer.                                               |

### PRECAUTIONARY STATEMENTS

#### Prevention:

|       |                                                    |
|-------|----------------------------------------------------|
| P261A | Avoid breathing vapours.                           |
| P280K | Wear protective gloves and respiratory protection. |

#### Response:

|             |                                                                                 |
|-------------|---------------------------------------------------------------------------------|
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.      |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention.                |
| P342 + P311 | If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician. |

Contains 100% of components with unknown hazards to the aquatic environment.

### Information required per Regulation (EU) 2020/1149 as regards diisocyanates:

As from 24 August 2023 adequate training is required before industrial or professional use. Further information can be found at [feica.eu/Puinfo](https://feica.eu/Puinfo)

## 2.3. Other hazards

Persons previously sensitised to isocyanates may develop a cross-sensitisation reaction to other isocyanates. May cause thermal burns.

This material does not contain any substances that are assessed to be a PBT or vPvB

## SECTION 3: Composition/information on ingredients

**3.1. Substances**

Not applicable

**3.2. Mixtures**

| Ingredient                          | Identifier(s)                            | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                     |
|-------------------------------------|------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Polyurethane resin                  | Trade Secret                             | >= 97 | Substance not classified as hazardous                                                                                                                                               |
| 4,4'-methylenediphenyl diisocyanate | (CAS-No.) 101-68-8<br>(EC-No.) 202-966-0 | <= 3  | Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Nota 2,2,C,C |

Please see section 16 for the full text of any H statements referred to in this section

**Specific Concentration Limits**

| Ingredient                          | Identifier(s)                            | Specific Concentration Limits                                                                                                 |
|-------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 4,4'-methylenediphenyl diisocyanate | (CAS-No.) 101-68-8<br>(EC-No.) 202-966-0 | (C >= 5%) Skin Irrit. 2, H315<br>(C >= 5%) Eye Irrit. 2, H319<br>(C >= 0.1%) Resp. Sens. 1, H334<br>(C >= 5%) STOT SE 3, H335 |

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin contact**

Immediately flush skin with large amounts of cold water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. Get immediate medical attention.

**Eye contact**

Immediately flush eyes with large amounts of water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Get immediate medical attention.

**If swallowed**

Rinse mouth. If you feel unwell, get medical attention.

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

The most important symptoms and effects based on the CLP classification include:

Allergic respiratory reaction (difficulty breathing, wheezing, cough, and tightness of chest). Allergic skin reaction (redness, swelling, blistering, and itching).

**4.3. Indication of any immediate medical attention and special treatment required**

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

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

None inherent in this product.

### Hazardous Decomposition or By-Products

#### Substance

Amine compounds.  
Isocyanates  
Carbon monoxide  
Carbon dioxide.  
Hydrogen cyanide.  
Oxides of nitrogen.  
Toxic vapour, gas, particulate.

#### Condition

During combustion.  
During combustion.  
During combustion.  
During combustion.  
During combustion.  
During combustion.  
During combustion.

### 5.3. Advice for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

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

Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Or pour water on spill and allow to react for more than 30 minutes. Cover with absorbent material. Collect as much of the spilled material as possible. Place in a container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. Clean up residue. Dispose of collected material as soon as possible.

### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after

handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

## 7.2. Conditions for safe storage including any incompatibilities

Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Store away from heat. Store away from amines.

## 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient                          | CAS Nbr  | Agency       | Limit type                                                                         | Additional comments                         |
|-------------------------------------|----------|--------------|------------------------------------------------------------------------------------|---------------------------------------------|
| CAS NO SEQ911373                    | 101-68-8 | Ireland OELs | TWA(8 hours):0.02<br>mg/m <sup>3</sup> ;STEL(15 minutes):0.07<br>mg/m <sup>3</sup> | as NCO                                      |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8 | Ireland OELs | TWA(as NCO)(8 hours):0.005<br>ppm;TWA(8 hours):0.005 ppm                           | as NCO,<br>Respiratory/Dermal<br>Sensitizer |

Ireland OELs : Ireland. OELs  
TWA: Time-Weighted-Average  
STEL: Short Term Exposure Limit  
CEIL: Ceiling

### Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

**Recommended monitoring procedures:**Information on recommended monitoring procedures can be obtained from Indust. Inspect./Ministry (IE)

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:  
Safety glasses with side shields.

#### Applicable Norms/Standards

Use eye protection conforming to EN 166

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the

substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Gloves made from the following material(s) are recommended:

| Material        | Thickness (mm) | Breakthrough Time |
|-----------------|----------------|-------------------|
| Butyl rubber.   | 0.5            | =>8 hours         |
| Neoprene.       | 0.5            | =>8 hours         |
| Nitrile rubber. | 0.35           | =>8 hours         |

The glove data presented are based on the substance driving dermal toxicity and the conditions present at the time of testing. Breakthrough time may be altered when the glove is subjected to use conditions that place additional stress on the glove.

#### *Applicable Norms/Standards*

Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Butyl rubber

Neoprene apron.

Apron – Nitrile

#### **Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

#### *Applicable Norms/Standards*

Use a respirator conforming to EN 140 or EN 136: filter types A & P

#### **Thermal hazards**

Wear heat insulating gloves, indirect vented goggles, and a full face shield when handling hot material to prevent thermal burns.

#### *Applicable Norms/Standards*

Use gloves tested to EN 407

## **SECTION 9: Physical and chemical properties**

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

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| <b>Physical state</b>               | Solid.                                 |
| <b>Colour</b>                       | Off-White, White                       |
| <b>Odor</b>                         | Mild Isocyanate                        |
| <b>Odour threshold</b>              | No data available.                     |
| <b>Melting point/freezing point</b> | No data available.                     |
| <b>Boiling point/boiling range</b>  | 150 °C [Details: Conditions: @ 5mm Hg] |
| <b>Flammability</b>                 | Not applicable.                        |
| <b>Flammable Limits(LEL)</b>        | Not applicable.                        |
| <b>Flammable Limits(UEL)</b>        | Not applicable.                        |
| <b>Flash point</b>                  | >=93.9 °C                              |

|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| <b>Autoignition temperature</b>               | <i>No data available.</i>                          |
| <b>Decomposition temperature</b>              | <i>No data available.</i>                          |
| <b>pH</b>                                     | <i>substance/mixture is non-soluble (in water)</i> |
| <b>Kinematic Viscosity</b>                    | 11,538 mm <sup>2</sup> /sec                        |
| <b>Water solubility</b>                       | Nil                                                |
| <b>Solubility- non-water</b>                  | <i>No data available.</i>                          |
| <b>Partition coefficient: n-octanol/water</b> | <i>No data available.</i>                          |
| <b>Vapour pressure</b>                        | <=0 Pa [ @ 25 °C ] [Details:MDI]                   |
| <b>Density</b>                                | 1.04 g/cm <sup>3</sup>                             |
| <b>Relative density</b>                       | 1.04 [Ref Std: WATER=1]                            |
| <b>Relative Vapour Density</b>                | 8.6 [Ref Std: AIR=1] [Details:MDI]                 |
| <b>Particle Characteristics</b>               | <i>Not applicable.</i>                             |

## 9.2. Other information

### 9.2.2 Other safety characteristics

EU Volatile Organic Compounds

*No data available.*

Evaporation rate

*No data available.*

Molecular weight

*No data available.*

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

Amines.

Alcohols.

Reaction with water, alcohols, and amines is not hazardous if container can vent to the atmosphere to prevent pressure buildup.

### 10.6 Hazardous decomposition products

**Substance**

**Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation**

Allergic respiratory reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. May cause additional health effects (see below).

**Skin contact**

Thermal burns: Signs/symptoms may include intense pain, redness and swelling, and tissue destruction. Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**Eye contact**

Thermal burns: Signs/symptoms may include severe pain, redness and swelling, and tissue destruction.

**Ingestion**

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

**Additional Health Effects:****Prolonged or repeated exposure may cause target organ effects:**

Respiratory effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and respiratory failure.

**Additional information:**

Persons previously sensitised to isocyanates may develop a cross-sensitisation reaction to other isocyanates.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name                                | Route                          | Species | Value                                          |
|-------------------------------------|--------------------------------|---------|------------------------------------------------|
| Overall product                     | Inhalation-Vapour(4 hr)        |         | No data available; calculated ATE >50 mg/l     |
| Overall product                     | Ingestion                      |         | No data available; calculated ATE >5,000 mg/kg |
| 4,4'-methylenediphenyl diisocyanate | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| 4,4'-methylenediphenyl diisocyanate | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 0.368 mg/l                                |
| 4,4'-methylenediphenyl diisocyanate | Ingestion                      | Rat     | LD50 31,600 mg/kg                              |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                | Species                 | Value    |
|-------------------------------------|-------------------------|----------|
| 4,4'-methylenediphenyl diisocyanate | official classification | Irritant |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|------|---------|-------|
|------|---------|-------|

|                                     |                         |                 |
|-------------------------------------|-------------------------|-----------------|
| 4,4'-methylenediphenyl diisocyanate | official classification | Severe irritant |
|-------------------------------------|-------------------------|-----------------|

**Skin Sensitisation**

| Name                                | Species | Value       |
|-------------------------------------|---------|-------------|
| 4,4'-methylenediphenyl diisocyanate | Mouse   | Sensitising |

**Respiratory Sensitisation**

| Name                                | Species | Value       |
|-------------------------------------|---------|-------------|
| 4,4'-methylenediphenyl diisocyanate | Human   | Sensitising |

**Germ Cell Mutagenicity**

| Name                                | Route    | Value                                                                        |
|-------------------------------------|----------|------------------------------------------------------------------------------|
| 4,4'-methylenediphenyl diisocyanate | In Vitro | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name                                | Route      | Species | Value                                                                        |
|-------------------------------------|------------|---------|------------------------------------------------------------------------------|
| 4,4'-methylenediphenyl diisocyanate | Inhalation | Rat     | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

| Name                                | Route      | Value                          | Species | Test result         | Exposure Duration    |
|-------------------------------------|------------|--------------------------------|---------|---------------------|----------------------|
| 4,4'-methylenediphenyl diisocyanate | Inhalation | Not classified for development | Rat     | NOAEL<br>0.004 mg/l | during organogenesis |

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

| Name                                | Route      | Target Organ(s)        | Value                            | Species                 | Test result         | Exposure Duration |
|-------------------------------------|------------|------------------------|----------------------------------|-------------------------|---------------------|-------------------|
| 4,4'-methylenediphenyl diisocyanate | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                                | Route      | Target Organ(s)    | Value                                                          | Species | Test result         | Exposure Duration |
|-------------------------------------|------------|--------------------|----------------------------------------------------------------|---------|---------------------|-------------------|
| 4,4'-methylenediphenyl diisocyanate | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat     | LOAEL<br>0.004 mg/l | 13 weeks          |

**Aspiration Hazard**

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**11.2. Information on other hazards**

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

## SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 12.1. Toxicity

No product test data available.

| Material                            | CAS #        | Organism         | Type                                                  | Exposure | Test endpoint | Test result |
|-------------------------------------|--------------|------------------|-------------------------------------------------------|----------|---------------|-------------|
| Polyurethane resin                  | Trade Secret | N/A              | Data not available or insufficient for classification | N/A      | N/A           | N/A         |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Activated sludge | Estimated                                             | 3 hours  | EC50          | >100 mg/l   |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Green algae      | Estimated                                             | 72 hours | EC50          | >1,640 mg/l |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Water flea       | Estimated                                             | 24 hours | EC50          | >1,000 mg/l |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Zebra Fish       | Estimated                                             | 96 hours | LC50          | >1,000 mg/l |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Green algae      | Estimated                                             | 72 hours | NOEC          | 1,640 mg/l  |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Water flea       | Estimated                                             | 21 days  | NOEC          | 10 mg/l     |

### 12.2. Persistence and degradability

| Material                            | CAS Nbr      | Test type                          | Duration | Study Type           | Test result      | Protocol |
|-------------------------------------|--------------|------------------------------------|----------|----------------------|------------------|----------|
| Polyurethane resin                  | Trade Secret | Data not available or insufficient | N/A      | N/A                  | N/A              | N/A      |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Estimated Hydrolysis               |          | Hydrolytic half-life | 20 hours (t 1/2) |          |

### 12.3 : Bioaccumulative potential

| Material                            | Cas No.      | Test type                                             | Duration | Study Type             | Test result | Protocol                 |
|-------------------------------------|--------------|-------------------------------------------------------|----------|------------------------|-------------|--------------------------|
| Polyurethane resin                  | Trade Secret | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                      |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8     | Experimental BCF - Fish                               | 28 days  | Bioaccumulation factor | 200         | OECD305-Bioconcentration |

### 12.4. Mobility in soil

| Material                            | Cas No.  | Test type                  | Study Type | Test result | Protocol  |
|-------------------------------------|----------|----------------------------|------------|-------------|-----------|
| 4,4'-methylenediphenyl diisocyanate | 101-68-8 | Estimated Mobility in Soil | Koc        | 34,000 l/kg | Episuite™ |

### 12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

### 12.6. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

**12.7. Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product that has been completely cured or polymerised may be placed in a landfill properly designed for industrial waste. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

**EU waste code (product as sold)**

08 04 09\*      Waste adhesives and sealants containing organic solvents or other dangerous substances  
080501\*      Waste isocyanates

## SECTION 14: Transportation information

Not hazardous for transportation.

|                                          | <b>Ground Transport<br/>(ADR)</b>                                      | <b>Air Transport (IATA)</b>                                            | <b>Marine Transport<br/>(IMDG)</b>                                     |
|------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>       | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.2 UN proper shipping name</b>      | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.3 Transport hazard class(es)</b>   | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.4 Packing group</b>                | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.5 Environmental hazards</b>        | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.6 Special precautions for user</b> | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |

|                                                                   |                    |                    |                    |
|-------------------------------------------------------------------|--------------------|--------------------|--------------------|
| <b>14.7 Marine Transport in bulk according to IMO instruments</b> | No data available. | No data available. | No data available. |
| <b>Control Temperature</b>                                        | No data available. | No data available. | No data available. |
| <b>Emergency Temperature</b>                                      | No data available. | No data available. | No data available. |
| <b>ADR Classification Code</b>                                    | No data available. | No data available. | No data available. |
| <b>IMDG Segregation Code</b>                                      | No data available. | No data available. | No data available. |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

## SECTION 15: Regulatory information

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

#### Carcinogenicity

| <u>Ingredient</u>                   | <u>CAS Nbr</u> | <u>Classification</u>   | <u>Regulation</u>                           |
|-------------------------------------|----------------|-------------------------|---------------------------------------------|
| 4,4'-methylenediphenyl diisocyanate | 101-68-8       | Carc. 2                 | Regulation (EC) No. 1272/2008, Table 3.1    |
| 4,4'-methylenediphenyl diisocyanate | 101-68-8       | Gr. 3: Not classifiable | International Agency for Research on Cancer |

#### Restrictions on the manufacture, placing on the market and use:

The following substance(s) contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

| <u>Ingredient</u>                   | <u>CAS Nbr</u> |
|-------------------------------------|----------------|
| 4,4'-methylenediphenyl diisocyanate | 101-68-8       |

Restriction status: listed in REACH Annex XVII

Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 for Conditions of Restriction

#### Global inventory status

Contact 3M for more information. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

#### DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1

None

Seveso named dangerous substances, Annex 1, Part 2

None

**Regulation (EU) No 649/2012**

No chemicals listed

**15.2. Chemical Safety Assessment**

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended.

**SECTION 16: Other information****List of relevant H 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.                                               |
| H373 | May cause damage to organs through prolonged or repeated exposure.         |

**Revision information:**

Section 1: Address information was modified.

Section 1: E-mail address information was modified.

Section 1: Product use information information was modified.

Section 3: Composition/ Information of ingredients table information was modified.

Section 6: Accidental release personal information information was modified.

Section 7: Conditions safe storage information was modified.

Section 11: Health Effects - Inhalation information information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12: Biocumulative potential information information was modified.

**DISCLAIMER:** The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

**3M Ireland MSDSs are available at [www.3M.com](http://www.3M.com)**