

## RAPID SET ADHESIVE PART 1

Version 1.0

Date 01/15/2026

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : RAPID SET ADHESIVE PART 1

#### Manufacturer or supplier's details

Company : IB ROOF SYSTEMS, LLC  
Address : 506 E. DALLAS RD. STE 300  
GRAPEVINE, TX 76051  
Telephone : 1-800-426-1626  
Emergency Phone Number : 1-800-424-9300 (CHEMTREC)

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

Recommended use : Isocyanate based product  
Restrictions on use : For industrial use only.

### SECTION 2. HAZARDS IDENTIFICATION



#### Emergency Overview

|            |           |
|------------|-----------|
| Appearance | liquid    |
| Color      | off-white |
| Odor       | aromatic  |

#### GHS Classification

Acute toxicity (Inhalation) : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2A  
Respiratory sensitization : Category 1  
Skin sensitization : Category 1  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)  
Specific target organ toxicity - repeated exposure : Category 2

#### GHS label elements

Hazard pictograms :    
Signal Word : Danger Signal Word

#### Hazard Statements:

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

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### Precautionary Statements:

#### Prevention:

P260 Do not breathe mist or vapors.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/ eye protection/ face protection.

P285 In case of inadequate ventilation wear respiratory protection.

#### Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

P362 Take off contaminated clothing and wash before reuse.

#### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Potential Health Effects

Aggravated Medical Condition : None known.  
Symptoms of Overexposure : Breathing difficulties

### Carcinogenicity:

#### IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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#### NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous ingredients**

| Chemical name                       | CAS-No.    | Concentration [%] |
|-------------------------------------|------------|-------------------|
| 4,4'-Methylenediphenyl diisocyanate | 101-68-8   | 50 - 70           |
| MDI-based polyurethane polymer      | 53862-89-8 | 30 - 50           |

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

- General advice : Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Get medical attention if irritation develops and persists. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.
- Most important symptoms and effects, both acute and delayed : Breathing difficulties  
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.  
May cause damage to organs through prolonged or repeated exposure.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Burning produces irritant fumes.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material. Shovel into suitable container for disposal. Neutralize with the following product(s):  
Ammonia

### SECTION 7. HANDLING AND STORAGE

- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Protect from moisture.  
Avoid inhalation, ingestion and contact with skin and eyes.
- Materials to avoid : No special restrictions on storage with other products.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components                          | CAS-No.  | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis    |
|-------------------------------------|----------|-------------------------------|--|----------|
| 4,4'-Methylenediphenyl diisocyanate | 101-68-8 | TWA                           | 0.005 ppm                                      | ACGIH    |
|                                     |          | C                             | 0.02 ppm<br>0.2 mg/m <sup>3</sup>              | OSHA Z-1 |
|                                     |          | C                             | 0.02 ppm<br>0.2 mg/m <sup>3</sup>              | OSHA P0  |
|                                     |          | PEL                           | 0.005 ppm<br>0.051 mg/m <sup>3</sup>           | CAL PEL  |

- Engineering measures** : Use local exhaust ventilation or other engineering controls to minimize exposures.

#### Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Hand protection
- Material : Nitrile rubber
- Eye protection : Safety glasses with side-shields
- Hygiene measures : Avoid contact with skin, eyes and clothing.  
Provide adequate ventilation.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |  |
|---|--|
| Appearance                              | : liquid                                     |
| Color                                   | : off-white                                  |
| Odor                                    | : aromatic                                   |
| Odor Threshold                          | : no data available                          |
| pH                                      | : Not applicable                             |
| Melting point/freezing point            | : is not determined                          |
| Initial boiling point and boiling range | : is not determined                          |
| Flash point                             | : Not applicable                             |
| Evaporation rate                        | : is not determined                          |
| Flammability (solid, gas)               | : Not classified as a flammability hazard    |
| Upper explosion limit                   | : Upper flammability limit is not determined |
| Lower explosion limit                   | : Lower flammability limit is not determined |
| Vapor pressure                          | : is not determined                          |
| Density                                 | : 1.12 g/cm <sup>3</sup>                     |
| Solubility(ies)                         |  |
| Water solubility                        | : is not determined                          |
| Partition coefficient: n-octanol/water  | : no data available                          |
| Autoignition temperature                | : is not determined                          |
| Viscosity                               |  |
| Viscosity, kinematic                    | : is not determined                          |

**SECTION 10. STABILITY AND REACTIVITY**

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : Container can be pressurized by carbon dioxide due to reaction with humid air and/or water. |
| Chemical stability                 | : The product is chemically stable.   |
| Possibility of hazardous reactions | : Hazardous polymerization does not occur.  |
| Incompatible materials             | : Amines<br>Strong acids and strong bases   |
| Hazardous decomposition products   | : Stable under normal conditions.   |

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute inhalation toxicity : Acute toxicity estimate: 16.66 mg/l  
Exposure time: 4 Hours  
Test atmosphere: vapor Method:  
Calculation method

**Components:****4,4'-Methylenediphenyl diisocyanate:**

Acute inhalation toxicity : Acute toxicity estimate: 1.5 mg/l  
Test atmosphere: dust/mist  
Method: Calculation method

**MDI-based polyurethane polymer:**

Acute inhalation toxicity : LC50: 1.5 mg/l Exposure time: 4 h  
Test atmosphere: dust/mist

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration toxicity**

No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Components:****4,4'-Methylenediphenyl diisocyanate:**

Partition coefficient: n- : log Pow: 5.22  
octanol/water

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****49 CFR**

Not regulated as a dangerous good

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**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure) Respiratory or skin sensitization  
Specific target organ toxicity (single or repeated exposure) Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 302** : This material does not contain any components with section 302 EHS TPQ.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

|                                     |           |
|-------------------------------------|-----------|
| 4,4'-Methylenediphenyl diisocyanate | 101-68-8  |
| Polymethylene polyphenyl isocyanate | 9016-87-9 |
| Polymethylene polyphenyl isocyanate |           |

**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

|                                     |          |
|-------------------------------------|----------|
| 4,4'-Methylenediphenyl diisocyanate | 101-68-8 |
|-------------------------------------|----------|

**US State Regulations****California Prop 65**

Please contact Supplier for more information.

**The ingredients of this product are reported in the following inventories:****TSCA**

All substances listed as active on the TSCA inventory

**DSL**

All components of this product are on the Canadian DSL

**Inventories Legend:**

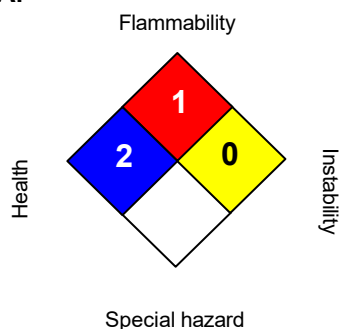
TSCA (USA), DSL (Canada), REACH(Europe), AIIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

**SECTION 16. OTHER INFORMATION**

Prepared by: technical@ibroof.com

**Further information**

**NFPA:**



**HMIS III:**

|                        |           |
|------------------------|-----------|
| <b>HEALTH</b>          | <b>2*</b> |
| <b>FLAMMABILITY</b>    | <b>1</b>  |
| <b>PHYSICAL HAZARD</b> | <b>0</b>  |

0 = not significant  
1 = Slight  
2 = Moderate  
3 = High  
4 = Extreme  
\* = Chronic

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.