

### Section 1:

#### LOTUS F6 FLASHING SEALANT

#### Safety Data Sheet (SDS)

Manufacturer: Advanced Roofing Technologies

Revision Date: 11/20/24

### SECTION II: HAZARD IDENTIFICATION

#### Hazard Classification:

Carcinogenicity

Category 1A

Germ Cell Mutagenicity

Category 1B

Acute toxicity (Inhalation - dust and mist)

Category 4

Respiratory sensitizer

Category 1

Skin sensitizer

Category 1



### DANGER

#### Hazard Statements:

May cause cancer through chronic inhalation.

Causes severe skin burns and serious eye damage.

May cause allergic skin reactions.

Causes damage to lungs through prolonged inhalation.

May cause respiratory irritation.

#### Precautionary Statements:

Avoid inhalation of dust; use in well-ventilated areas.

Wear protective gloves, clothing, and eye protection.

If exposed: Follow first aid measures.

Dispose of in accordance with regulations.

## SECTION III: HAZARDOUS INGREDIENTS

| Name                                | EINECS NO | CAS NO    | CONTENT % | CLASSIFICATION (CLP)                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|-----------|-----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4,4'-methylenediphenyl diisocyanate | 202-966-0 | 101-68-8  | 0,1-0,3   | Carcinogenicity, Category 2; H351<br>Acute toxicity, Category 4, inhalation; H332<br>Specific Target Organ Toxicity (repeated exposure), Category 2; H373 Eye irritation, Category 2; H319 Specific Target Organ Toxicity (single exposure), Category 3; H335<br>Skin irritation, Category 2; H315<br>Respiratory sensitisation, Category 1; H334 Skin sensitisation, Category 1; H317 |
| Xylene                              | 215-535-7 | 1330-20-7 | 10-20     | Flammable liquids, Category 3; H226<br>Acute toxicity, Category 4, dermal; H312<br>Acute toxicity, Category 4, inhalation; H332<br>Skin irritation, Category 2; H315                                                                                                                                                                                                                   |
| Calcium oxide                       | 215-138-9 | 1305-78-8 | 0-2       | Skin irritation, Category 2; H315<br>Serious eye damage, Category 1; H318<br>Specific Target Organ Toxicity (single exposure), Category 3; H335                                                                                                                                                                                                                                        |

|   |           |
|---|-----------|
| 4 | FIRST AID |
| . | MEASURES  |

#### 4.1. Description of first aid measures

#### 4.1.1. General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### 4.1.2. Following inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

#### 4.1.3. Following skin contact

Wash off with soap and plenty of water. Consult a physician.

#### 4.1.4. Following eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

## **SECTION IV: FIRST AID MEASURES**

|                                |                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>             | <b>Move to fresh air. Administer oxygen if needed. Seek medical attention for difficulty breathing.</b> |
| <b>Skin Contact:</b>           | <b>Wash with cool water and pH-neutral soap. Seek medical attention for burns or irritation.</b>        |
| <b>Eye Contact:</b>            | <b>Flush eyes with water for several minutes. Remove contact lenses if applicable.</b>                  |
| <b>Ingestion:</b>              | <b>Do NOT induce vomiting. Drink water and contact a physician immediately.</b>                         |
| <b>Most Critical Symptoms:</b> | <b>Skin burns and irritation.<br/>Respiratory irritation and damage. Eye damage.</b>                    |
| <b>Chronic exposure:</b>       | <b>Silicosis and potential carcinogenic effects.</b>                                                    |

## **SECTION V: FIRE-FIGHTING MEASURES**

|                                                         |                                                                                                                                                                                                                                 |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media :</b>                   | <b>Use extinguishing measures that are appropriate to<br/><br/>local circumstances and the surrounding environment.</b>                                                                                                         |
| <b>Further information :</b>                            | <b>Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br/>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</b> |
| <b>Special protective equipment for fire-fighters :</b> | <b>In the event of fire, wear self-contained breathing apparatus</b>                                                                                                                                                            |

## **SECTION VI: ACCIDENTAL RELEASE MEASURES**

**Personal precautions,  
protective equipment  
emergency procedures:**

**Ventilate closed spaces before entering them.  
Evacuate area. See Section 8 of the SDS for    and  
Keep upwind. Keep unauthorized personnel  
away. Do not touch damaged containers or spilled  
material unless wearing appropriate protective  
clothing.**

**Methods and material for  
containment and cleaning  
Up:**

**Dam and absorb spillages with sand, earth or other  
non-combustible  
material. Collect spillage in containers, seal  
Securely and deliver for disposal according  
to local regulations.**

**Notification Procedures:**

**In the event of a spill or accidental release, notify  
relevant authorities in accordance with all  
applicable regulations.**

**Environmental Precautions:**

**Avoid release to the environment. Prevent further  
leakage or spillage if safe to do so.**

## **SECTION VII: HANDLING AND STORAGE**

**Advice on protection against  
fire and explosion :**

**Normal measures for preventive fire protection.**

**Advice on safe handling :**

**Avoid formation of aerosol.  
Avoid exceeding the given occupational exposure  
limits    (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitization  
problems or asthma, allergies, chronic or  
recurrent respiratory disease should not be  
employed in any process in which this mixture is  
being used.  
Smoking, eating and drinking should be  
prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in  
work rooms. Follow standard hygiene measures  
when handling chemical products**

## **SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Appropriate Engineering:  
Control**                      **Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.**

**Individual protection measures, such as personal protective equipment**

**General information:**                      **Use personal protective equipment as required.**

**Eye/face protection:**                      **Wear goggles/face shield.**

**Skin Protection and  
Hand Protection:**                      **Use suitable protective gloves if risk of skin contact.**

**Other:**                      **Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.**

**Respiratory Protection:**                      **If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.**

**Hygiene measures:  
hands**                      **Observe good industrial hygiene practices. Wash before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.**

## SECTION IX: PHYSICAL/CHEMICAL PROPERTIES

|                                                       |                                                |
|-------------------------------------------------------|------------------------------------------------|
| Appearance :                                          | Viscous                                        |
| Color :                                               | Gray                                           |
| Odor :                                                | Characteristic                                 |
| Odor Threshold :                                      | No data available                              |
| pH :                                                  | Not applicable                                 |
| Melting point/range / Freezing point :                | No data available                              |
| Boiling point/boiling range :                         | No data available                              |
| Flash point :                                         | 40 °C                                          |
| (Method: closed cup)                                  |                                                |
| Evaporation rate :                                    | No data available                              |
| Flammability (solid, gas) :                           | No data available                              |
| Upper explosion limit / Upper<br>flammability limit : | No data available                              |
| Lower explosion limit / Lower<br>flammability limit : | No data available                              |
| Vapor pressure :                                      | 0.04 hpa                                       |
| Relative vapor density :                              | No data available                              |
| Density :                                             | 1.40 g/cm <sup>3</sup> (73 °F / 23 °C)         |
| Solubility(ies)                                       |                                                |
| Water solubility :                                    | insoluble                                      |
| Solubility in other solvents :                        | No data available                              |
| Partition coefficient<br>n-octanol/water :            | No data available                              |
| Autoignition temperature :                            | No data available                              |
| Decomposition temperature :                           | No data available                              |
| Viscosity                                             |                                                |
| Viscosity, dynamic :                                  | No data available                              |
| Viscosity, kinematic :                                | ca. > 21.2 mm <sup>2</sup> /s (104 °F / 40 °C) |
| Explosive properties :                                | No data available                              |
| Oxidizing properties :                                | No data available                              |

## **SECTION X: STABILITY AND REACTIVITY**

|                                             |                                                                    |
|---------------------------------------------|--------------------------------------------------------------------|
| <b>Reactivity :</b>                         | <b>No dangerous reaction known under conditions of normal use.</b> |
| <b>Chemical stability :</b>                 | <b>The product is chemically stable.</b>                           |
| <b>Possibility of hazardous reactions :</b> | <b>Stable under recommended storage conditions.</b>                |
| <b>Conditions to avoid :</b>                | <b>No data available</b>                                           |
| <b>Incompatible materials :</b>             | <b>No data available</b>                                           |
| <b>Hazardous decomposition products:</b>    | <b>No decomposition if stored and applied as directed.</b>         |

## **SECTION XI: TOXICOLOGICAL INFORMATION**

|                                           |                                                              |
|-------------------------------------------|--------------------------------------------------------------|
| <b>Acute toxicity:</b>                    | <b>Harmful if inhaled.</b>                                   |
| <b>Skin corrosion/irritation:</b>         | <b>Causes skin irritation. Harmful in contact with skin.</b> |
| <b>Serious eye damage/eye irritation:</b> | <b>Causes serious eye irritation</b>                         |
| <b>In case of ingestion:</b>              | <b>No data available</b>                                     |

## **SECTION XII: ECOLOGICAL INFORMATION**

|                                          |                                                                                                                                                                                                    |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity:</b>                      | <b>No data available</b>                                                                                                                                                                           |
| <b>Persistence and degradability:</b>    | <b>No data available</b>                                                                                                                                                                           |
| <b>Bioaccumulative potential:</b>        | <b>No data available</b>                                                                                                                                                                           |
| <b>Mobility in soil:</b>                 | <b>No data available</b>                                                                                                                                                                           |
| <b>Other adverse effects Product:</b>    |                                                                                                                                                                                                    |
| <b>Additional ecological information</b> | <b>: Do not empty into drains; dispose of this material avoid its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</b> |

## **SECTION XIII: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state, and federal regulations. Avoid creating airborne dust during disposal.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

## **SECTION XIV: TRANSPORT INFORMATION**

### **International Regulations**

|                            |                                          |
|----------------------------|------------------------------------------|
| <b>IATA-DGR</b>            | <b>Not regulated as a dangerous good</b> |
| <b>IMDG-Code</b>           | <b>Not regulated as a dangerous good</b> |
| <b>Domestic regulation</b> | <b>49 CFR</b>                            |
|                            | <b>Not regulated as a dangerous good</b> |

## **SECTION XV: REGULATORY INFORMATION**

**TSCA list :** All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory

### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

| <b>Components</b>       | <b>CAS-No.</b>   | <b>Component RQ (lbs)</b> |
|-------------------------|------------------|---------------------------|
| <b>Isocyanatomethyl</b> | <b>4098-71-9</b> | <b>500</b>                |

### **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

| <b>Components</b>       | <b>CAS-No.</b>   | <b>Component TPQ (lbs)</b> |
|-------------------------|------------------|----------------------------|
| <b>Isocyanatomethyl</b> | <b>4098-71-9</b> | <b>500</b>                 |

### **SARA 311/312 Hazards :**

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

**WARNING: This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

Full text of other abbreviations

OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)

OSHA P0 / TWA : 8-hour time weighted average

OSHA P0 / STEL : Short-term exposure limit

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