

# SAFETY DATA SHEET

RTA-1 LP PU FOAM ADHESIVES (134A)



## SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifier

Product Name: Polyset RTA-1  
SDS ID Number: **3074028**  
Product Identification: 62484175302, 62480749308

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

General Use: Low Pressure Polyurethane Roof Tile Adhesive  
Uses advised against:

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

Manufacturer: ICP Adhesives & Sealants  
2775 Barber Road  
Norton, Ohio 44203  
In Ohio: 330-753-4585; 1-800-321-5585 (Monday-Friday 8:00am-5:00pm EST)

### 1.4 Emergency telephone numbers

In the U.S.A: CHEMTREC (24 hours) 1-800-424-9300  
International Emergency: CHEMTREC (24 hours) 1-703-527-3887

## SECTION 2- HAZARDS IDENTIFICATION

### 2.1 Classification of substance or mixture

Product definition: Mixture

#### Classification:

Gases Under Pressure- Compressed Gas  
Acute Toxicity Inhalation- Category 4  
Skin Irritation- Category 2  
Serious Eye Irritation- Category 2A  
Respiratory Sensitizing- Category 1  
Skin Sensitization – Category 1  
Specific Target Organ Toxicity SE 3  
Reproductive toxicity- Effects on or via lactation  
Specific Target Organ Toxicity RE 2  
Aquatic Chronic- Category 4

### 2.2 Label elements

#### Hazard Symbols:



#### Signal Word:

**WARNING**

#### Hazard Statements:

H280- Contains gas under pressure; may explode if heated  
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  
H362- May cause harm to breastfed children  
H373- May cause damage to organs through prolonged or repeated exposure  
H413- May cause long lasting harmful effects to aquatic life

#### Prevention:

P102- Keep Out of Reach of Children  
P202- Do not handle until all safety precautions have been read and understood  
P251- Pressurized Container: Do not pierce or burn, even after use  
P261- Avoid breathing vapors or fumes  
P262- Do not get in eyes, on skin, or on clothing  
P264- Wash hands and other skin areas exposed to material thoroughly after handling  
P271- Use only outdoors or in a well-ventilated area  
P273- Avoid release to the environment  
P280- Wear protective gloves, protective clothing and eye protection

**Response:** P285- In case of inadequate ventilation wear respiratory protection  
 P302+P352+P333+P313 IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention  
 P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314- Get medical advice if you feel unwell  
 P342+P311- If experiencing respiratory symptoms: Call a POISON CENTER or doctor  
 P381- Eliminate all ignition sources if safe to do so

**Storage:** P403+P405- Store in a well-ventilated place. Store locked up.  
 P410- Protect from sunlight  
 P412- Do not expose to temperatures exceeding 50°C/122°F.

**Disposal:** P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

### 2.3 Hazards otherwise not classified

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates

10% of the mixture consists of ingredients of unknown acute oral toxicity

10% of the mixture consists of ingredients of unknown acute inhalation toxicity

## SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	Ingredient	CAS No.
60-100*	Urethane Pre-Polymer Blend (Non-Hazardous Polyol Blend)	Proprietary
10-30*	1,1,1,2 Tetrafluoroethane	811-97-2
5-10*	4,4' Diphenylmethane diisocyanate (MDI)	101-68-8
5-10*	Polymethylene polyphenyl isocyanate (PMDI)	9016-87-9
5-10*	Alkanes, C14-C16, Chloro	63449-39-8

\* The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

There are not additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to the health or environment and hence require reporting in this section.

## SECTION 4- FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye:** Immediately flush eyes with large amounts of water for at least 15 minutes, holding the eyes open with fingers and occasionally lifting the upper and lower lids. Use lukewarm water if possible. If present and easy to do so, remove contact lenses, If irritation persists, get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of soap and water. Foam will stick to skin, gently wipe product from skin with a damp cloth and wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation persists.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed

See section 11.1 for information on toxicological effects.

### 4.3 Notes to the physician

Symptoms may not appear immediately. If case of an accident or if you feel unwell, seek medical advice immediately (show label or SDS if possible).

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## SECTION 5- FIRE FIGHTING MEASURES

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### 5.1 Extinguishing media

**Suitable methods of extinction:** Use dry chemical, carbon dioxide, foam, Halon 1211 and water spray or fog.

**Unsuitable methods of extinction:** Do not use water jets and high pressure water as these may spread the fire

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

Contains compressed gas. Eliminate all ignition sources. Closed containers may explode due to buildup of pressure when exposed to extreme heat. Aerosol cans exposed to fire or high temperature can rupture and rocket. Cured foam will burn in the presence of heat, oxygen and an ignition source.

### 5.3 Advice to firefighters

**Products of combustion:** May include and are not limited to: oxides of carbon, oxides of nitrogen, hydrogen fluoride, and traces of hydrogen cyanide.

Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool. Containers may explode if heated.

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## SECTION 6- ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

### 6.2 Environmental precautions

Do not allow to enter sewers, drains, or waterways

### 6.3 Methods and materials for containment and cleaning up

**Method for containment:** Uncured product is very sticky; carefully remove the bulk of the foam by scraping it up and then immediately remove the residue with a rag and solvent such as Handi-Cleaner, mineral spirits, acetone (nail polish remover), paint thinner, etc. Once the product is cured it can only be removed mechanically by scraping, buffing, etc. Use appropriate PPE.

**Methods for cleaning up:** Scoop up material and place in a disposal container. Dispose of as plastic waste in accordance with all applicable guidelines and regulations. Vapors can accumulate in low areas. Provide ventilation

### 6.4 Reference to other sections

For indications about waste treatment, see Section 13

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## SECTION 7- HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Pressurized container: do not pierce or burn, even after use. Container may explode if heated. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Use only in a well-ventilated area or outdoors. Avoid welding or other "hot work" in the vicinity of exposed cured foam. When using do not eat, drink or smoke. (See section 8)

General hygiene advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking or smoking.

### 7.2 Conditions for safe storage including any incompatibilities

Store in a dry place. Ideal use temperature is 65°F to 80°F (18°C to 27°C). Do not expose aerosol cans to open flame or store at temperatures above 122°F (50°C). Excessive heat can cause premature aging of components resulting in a shorter shelf life. Storage below 55°F (12.7°C) may affect foam quality if chemicals are not warmed to room temperature before using. Protect containers from physical abuse. Keep containers upright. **KEEP AWAY FROM CHILDREN.**

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## SECTION 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

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### 8.1 Control Parameters

CAS No.	Ingredient	OSHA-PEL TWA	ACGIH-TLV	NIOSH/ Other
101-68-8	4,4' Diphenylmethane diisocyanate	0.02 PPM; 0.2 mg/m <sup>3</sup> Ceiling	0.005 ppm; 0.051 mg/ m <sup>3</sup> (8 hours) TWA	0.005 ppm; 0.050 mg/m <sup>3</sup> TWA 0.02 ppm; 0.2 mg/m <sup>3</sup> CEIL
811-97-2	1,1,1,2 Tetrafluoroethane			WEEL 1,000 ppm

### 8.2 Exposure Controls:

**Engineering measures:** Use ventilation adequate to keep exposures below recommended exposure limits.

**Eye/face Protection:** Wear protective safety glasses with side shields or goggles.

**Hand Protection:** Use chemically resistant gloves (i.e. Nitrile gloves). Nitrile/butadiene rubber, butyl rubber, polyethylene, PVC (vinyl), or neoprene gloves are also effective. Glove selection should take into account potential body reactions to certain materials and manufacturer's instructions for use. Break through time of selected gloves must be greater than the intended use period.

**Other Protective Equipment:** Use clothing that protects against dermal exposure. Appropriate protective clothing varies depending on the

potential for exposure. To ensure proper skin protection, wear PPE in such a manner that no skin is exposed.

**Respiratory Protection:** If atmospheric levels are expected to exceed the exposure levels, use a NIOSH approved air purifying respirator equipped with an organic vapor cartridge and particulate filter. If atmospheric levels exceed 10 times the TLV or PEL level for which an air-purifying respirator is effective, use a powered air purifying respirator (PAPR). The type of respiratory protection selected must comply with the requirements set forth in OSHA's Respiratory Protection Standard (29 CFR 1910.134).

**Hygiene Measures:** An eye wash station or portable eye wash station should be in the area. Wash hands thoroughly after use, before eating, drinking or using the lavatory. Employees/Users should be educated and trained in the safe use and handling of this product.

## SECTION 9- Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Physical Form	Viscous liquid which forms off-white to yellowish foam upon release.
Color	Crème. Some products contain a dye or colorant.
Odor	Slight fluorocarbon odor during curing stage
Odor Threshold:	No data available
Physical State:	Gas/Pressurized Liquid/Semi-Solid
pH:	No data available
Melting Point/Freezing Point	No data available
Initial Boiling Point and Boiling Range	HFC-134A boils at -26°C (-15°F). Other components boil at 93.3°C (200°F)
Flash Point:	Use of non-flammable propellant
Evaporation Rate:	No data available
Flammability:	Non-flammable
Lower Flammability/Explosive Limit:	No data available
Upper Flammability/Explosive Limit:	No data available
Vapor Pressure	Aerosol product > 50 psig/ 345 kPa
	Final product (sprayed): Very low (not determined)
Vapor Density:	Not available
Relative Density/Specific Gravity:	~ 1.1 (Water = 1)
Solubility:	Insoluble; reacts slowly with water during cure, liberating traces of CO <sub>2</sub>
Partition coefficient: n-octanol/water:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature;	No data available
Viscosity:	No data available
Oxidizing Properties:	No data available
VOC Content (calculated minus exempt compounds and water)	0 g/l minus exempted compounds

## SECTION 10- STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical Stability

Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not pierce or burn, even after use. Avoid temperatures below 40°F (4°C). For longest shelf life, avoid storage above 100°F (38°C).

### 10.3 Possibility of Hazardous Reactions

Elevated temperatures can cause product to decompose, releasing carbon dioxide. Flammable propellant. Contents are under pressure and exposure to high temperature can cause containers to rupture or explode.

### 10.4 Conditions To Avoid

Heat. Incompatible materials. Sources of ignition. Avoid temperatures below 40°F (4°C) or temperatures above 100°F (38°C).

### 10.5 Incompatible Materials

Alcohols, strong bases, amines, metal compounds, ammonia, and strong oxidizers.

### 10.6 Hazardous Decomposition Products

None Known. Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11- TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1. Information on Toxicological effects

**Signs and Symptoms of Exposure based on test data and/or information on the components, this material may produce the following health effects:**

#### Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough and tightness of chest.

May cause additional health effects (see below).

#### Skin Contact:

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

Allergic Skin Reaction: Signs/symptoms may include significant redness, swelling, blistering, and itching.

#### Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of cornea, and impaired vision.

#### Ingestion:

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

#### Additional Health Effects:

##### Single exposure may cause target organ effects:

Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

##### 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 colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

#### Additional Information:

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

#### Toxicological Data

If the 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 is not sufficient for classification.

Name	Route	Species	Value
Overall product	Vapor(4 hr) Inhalation-		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE > 5,000 mg/kg
Polymeric Diphenylmethane Diisocyanate	Inhalation-Vapor		LC50 estimated to be 10 -20 mg/l
Polymeric Diphenylmethane Diisocyanate	Dermal	Rabbit	LD50 > 5,000 mg/kg
Polymeric Diphenylmethane Diisocyanate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.369 mg/l
Polymeric Diphenylmethane Diisocyanate	Ingestion	Rat	LD50 31,600 mg/kg
4,4' -Diphenylmethane Diisocyanate	Inhalation-Vapor		LC50 estimated to be 10 -20 mg/l
4,4' -Diphenylmethane Diisocyanate	Dermal	Rabbit	LD50 > 5,000 mg/kg
4,4' -Diphenylmethane Diisocyanate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.369 mg/l

4,4' -Diphenylmethane Diisocyanate	Ingestion	Rat	LD50 31,600 mg/kg
1,1,1,2-Tetrafluoroethane	Inhalation-Gas (4 hours)	Rat	LC50 > 359,300 ppm
Diphenylmethane-2,4'-Diisocyanate	Inhalation-Vapor		LC50 estimated to be 10 -20 mg/l
Diphenylmethane-2,4'-Diisocyanate	Dermal	Rabbit	LD50 > 5,000 mg/kg
Diphenylmethane-2,4'-Diisocyanate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.369 mg/l

**Skin Corrosion/Irritation**

Name	Species	Value
Polymeric Diphenylmethane Diisocyanate	official classification	Irritant
4,4' -Diphenylmethane Diisocyanate	official classification	Irritant
1,1,1,2-Tetrafluoroethane	Rabbit	No significant irritation
Diphenylmethane-2,4'-Diisocyanate	official classification	Irritant
Nitrogen	Professional Judgement	No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Polymeric Diphenylmethane Diisocyanate	official classification	Severe Irritant
4,4' -Diphenylmethane Diisocyanate	official classification	Severe Irritant
1,1,1,2-Tetrafluoroethane	Rabbit	No significant irritation
Diphenylmethane-2,4'-Diisocyanate	official classification	Severe Irritant
Nitrogen	Professional Judgement	No significant irritation

**Skin Sensitization**

Name	Species	Value
Polymeric Diphenylmethane Diisocyanate	official classification	Sensitizing
4,4' -Diphenylmethane Diisocyanate	official classification	Sensitizing
Diphenylmethane-2,4'-Diisocyanate	official classification	Sensitizing

**Respiratory Sensitization**

Name	Species	Value
Polymeric Diphenylmethane Diisocyanate	Human	Sensitizing
4,4' -Diphenylmethane Diisocyanate	Human	Sensitizing
Diphenylmethane-2,4'-Diisocyanate	Human	Sensitizing

**Germ Cell Mutagenicity**

Name	Species	Value
Polymeric Diphenylmethane Diisocyanate	In Vitro	Some positive data exists, but the data are not sufficient for classification
4,4' -Diphenylmethane Diisocyanate	In Vitro	Some positive data exists, but the data are not sufficient for classification Severe Irritant
Diphenylmethane-2,4'-Diisocyanate	In Vitro	Some positive data exists, but the data are not sufficient for classification Severe Irritant

**Carcinogenicity**

Name	Route	Species	Value
Polymeric Diphenylmethane Diisocyanate	Inhalation	Rat	Some positive data exists, but the data are not sufficient for classification
4,4' -Diphenylmethane Diisocyanate	Inhalation	Rat	Some positive data exists, but the data are not sufficient for classification Severe Irritant
Diphenylmethane-2,4'-Diisocyanate	Inhalation	Rat	Some positive data exists, but the data are not sufficient for classification Severe Irritant

## Reproductive Toxicity

### Reproductive and/or Developmental Effects

Name	Route	Species	Value	Test Result	Exposure Duration
Polymeric Diphenylmethane Diisocyanate	Inhalation	Rat	Some positive data exists, but the data are not sufficient for classification	NOAEL 0.004 mg/l	During Organogenesis
4,4' -Diphenylmethane Diisocyanate	Inhalation	Rat	Some positive data exists, but the data are not sufficient for classification Severe Irritant	NOAEL 0.004 mg/l	During Organogenesis
Diphenylmethane-2,4'-Diisocyanate	Inhalation	Rat	Some positive data exists, but the data are not sufficient for classification Severe Irritant	NOAEL 0.004 mg/l	During Organogenesis

## Target Organ(s)

### Specific Target Organ Toxicity- single exposure

Name	Route	Target Organ	Species	Value	Test Result	Exposure Duration
Polymeric Diphenylmethane Diisocyanate	Inhalation	Respiratory Irritation	Official classification	May cause respiratory irritation	NOAEL Not available	
4,4' - Diphenylmethane Diisocyanate	Inhalation	Respiratory Irritation	Official classification	May cause respiratory irritation	NOAEL Not available	
Diphenylmethane-2,4'-Diisocyanate	Inhalation	Respiratory Irritation	Official classification	May cause respiratory irritation	NOAEL Not 0.004 mg/l	
1,1,1,2-Tetrafluoroethane	Inhalation	Cardiac sensitization	Dog		NOAEL 40,000 ppm	5 minutes

### Specific Target Organ Toxicity- repeated exposure

Name	Route	Target Organ	Species	Value	Test Result	Exposure Duration
Polymeric Diphenylmethane Diisocyanate	Inhalation	Respiratory system	Rat	Causes damage to organs through prolonged or repeated exposure	LOAEL	13 weeks
4,4' - Diphenylmethane Diisocyanate	Inhalation	Respiratory system	Rat	Causes damage to organs through prolonged or repeated exposure	LOAEL	13 weeks
Diphenylmethane-2,4'-Diisocyanate	Inhalation	Respiratory system	Rat	May cause respiratory irritation	LOAEL	13 weeks

### Aspiration Hazard

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

## SECTION 12- ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

The aquatic toxicity of this product has not been experimentally determined. However, it is expected to have low acute aquatic toxicity based on the acute aquatic toxicity of the individual components and their concentration in this mixture.

### 12.2 Persistence and degradability

Product is not readily biodegradable. In aquatic and terrestrial environments, this material reacts with water, which forms predominately insoluble polyureas.

### 12.3 Bioaccumulative potential

Bioaccumulation potential is low

### 12.4 Mobility in soil

Expected to have low mobility based on product's reactivity with water

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other Adverse Effects

No data available

## SECTION 13- DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

#### Methods of disposal

Before disposing of containers, relieve container of any remaining foam and pressure. Allow dispensed product to fully cure before disposing. Never discard in a liquid state. This material must be disposed of in accordance with all local, regional, national, international regulations.

#### Other disposal recommendations:

Do not puncture or incinerate containers. Use appropriate Personal Protective Equipment.

## SECTION 14- TRANSPORTATION

### Shipping Information

	Containers 1000 cu. cm. (1 liter) or less:	Due to changes in December 2020: See shipping papers for exact 49 CFR descriptions.	Containers Greater Than 1000 cu. cm. (1 liter):
<b>Ground</b>	Consumer Commodity ORM-D	Limited Quantity	UN1956 Compressed Gas n.o.s (Fluorinated hydrocarbon, Nitrogen) 2.2 (Non-flammable Gas Label)
<b>Air</b>	UN1950 Aerosols, Non-Flammable 2.2 (Non-Flammable Gas Label) LIMITED QUANTITY Packing Instructions (Cargo & Passenger) 203	UN1950 Aerosols, Non-Flammable 2.2 (Non-Flammable Gas Label) LIMITED QUANTITY Packing Instructions (Cargo & Passenger) 203	UN1956 Compressed Gas n.o.s (Fluorinated hydrocarbon, Nitrogen) 2.2 (Non-flammable Gas Label)
<b>Water</b>	UN1950 Aerosols, Non-Flammable 2.2 (Non-Flammable Gas Label) LIMITED QUANTITY	UN1950 Aerosols, Non-Flammable 2.2 (Non-Flammable Gas Label) LIMITED QUANTITY	UN1956 Compressed Gas n.o.s (Fluorinated hydrocarbon, Nitrogen) 2.2 (Non-flammable Gas Label)

## SECTION 15- REGULATORY

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

#### U.S. Federal Regulations

OSHA Hazard Communication Standard: This material is classified as a hazardous in accordance with OSHA 29 CFR 1910-1200

**TSCA Status:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory. This product is not subject to TSCA 12(b) Export Notification.

#### Superfund Amendments and Reauthorization Act (SARA)

**SARA Section 311/312 Hazard Categories:** Acute Health Hazard, Chronic Health Hazard, Reactive Hazard, Sudden Release of Pressure Hazard

**SARA 313 Information:** MDI and PMDI are subject to reporting levels established by Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

**SARA 302/304 Extremely Hazardous Substance:** No components of the product exceed the threshold (de minimis) reporting levels established by these sections of the Title III of SARA.

**SARA 302/304 Emergency Planning & Notification:** No components of the product exceed the threshold (de minimis) report levels established by these sections of the Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA):** This product contains the following CERCLA reportable substances: 4,4'- Diphenylmethane diisocyanate (CAS #101-68-8), RQ- 2,268 kg (5,000 lbs).

**Clean Air Act (CAA) - 4,4'- Diphenylmethane diisocyanate (CAS #101-68-8)** is listed as a Hazardous Air Pollutant (HAP) designated in CAA Section 112 (b). This product does not contain any Class 1 or Class 2 Ozone depletors.

**Clean Water Act (CWA) - 4,4'- Diphenylmethane diisocyanate (CAS #101-68-8)** is listed as a Hazardous Substance under the CWA. None of the chemicals in these products are listed as Priority Pollutants under the CWA. None of the chemicals listed in these products are listed as Toxic Pollutants under the CWA.

#### U.S. State Regulations:

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:** This product contains trace amount of substances known to the State of California to cause cancer or other reproductive harm.

#### Other U.S. State Inventories:

4, 4'- Diphenylmethane diisocyanate (CAS #101-68-8) is listed on the following State Hazardous Substance Inventories, Right-to-Know



lists and/or Air Quality/air Pollutants lists: CA, DE, ID, IL, ME, MA, MN, NJ, PA, WA, WI

Polymeric MDI (CAS #9016-87-9) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: DE, NJ, MN

1,1,1,2 Tetrafluoroethane (CAS #811-97-2) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: ME, WI

**15.2 Chemical safety assessment:** For this product a chemical safety assessment was not carried out

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## SECTION 16- OTHER

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**NFPA: Health Hazard 2; Flammability 1; Reactivity 1**

**HMIS: Health Hazard 2; Flammability 1; Physical Hazard 1**

Hazard Rating: 0=minimal, 1= slight, 2=moderate, 3=severe, 4= extreme

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