

# Safety Data Sheet

## Section 1: Identification

**Product Name** Polyaspartic TopCoat Resin – Part A  
**Recommended Use:** For Industrial Use Only.  
**Manufacturer:** Coatary LLC 6108 W 9790 S West Jordan, UT 84081  
**Telephone :** 801.503.4036  
**Emergency Telephone Number: 800-424-9300**

## Section 2: Hazard Identification

**Emergency Overview:** Danger. May cause allergic skin reaction. May cause skin irritation, serious eye irritation, and/or respiratory irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs (Lungs) through prolonged or repeated exposure. May cause drowsiness or dizziness. Flammable liquid and vapor.

**Component Information/Information on Non-Hazardous Components:** None known.

**GHS Classification of the Substance or Mixture:**

### PHYSICAL HAZARDS:

Flammable Liquids Category 3

### HEALTH HAZARDS:

Eye Irritation Category 2A

Acute Toxicity (Inhalation) Category 4

Respiratory Sensitization Category 1

Skin Irritation Category 2

Skin Sensitization Category 1

Specific Target Organ Toxicity – Single Exposure  
(Respiratory, Central Nervous System) Category 3

Specific Target Organ Toxicity – Repeated Exposure (Lungs) Category 2

### GHS Hazards Pictograms:



**Signal Word(s):** Danger.

### Hazard Statement(s):

H226: Flammable liquid and vapor

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  
H336: May cause drowsiness or dizziness  
H373: May cause damage to organs (Lungs) through prolonged or repeated exposure

**Precautionary Statement(s):**

**Prevention:**

P210: Keep away from heat, open flames, sparks, hot surfaces- No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P243: Take precautionary measures against static discharge  
P261: Avoid breathing dust/fume/gas/mist/vapors/spray  
P264: Wash hands, forearms and face thoroughly after handling  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P284: In case of inadequate ventilation, wear respiratory protection that meets the requirements in OSHA's Respiratory Protection Standard (29 CFR 1910.134) or regional standards.

**Response:**

P370 + P378: In case of fire, use water spray, carbon dioxide, dry chemical or foam for extinction.  
P303+P361+P353: IF ON SKIN (or hair), Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340: IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P311: IF SWALLOWED, immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338: IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P331: Do NOT induce vomiting.  
P332+P313: If skin irritation occurs, get medical advice/attention.  
P337+P313: If eye irritation persists, get medical advice/attention.  
P362: Take off contaminated clothing and wash before reuse.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P235: Keep cool.  
P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None known.

**Other Information:**

**Inhalation:** Isocyanate vapors or mist at concentrations above the exposure limits or guidelines can cause a burning sensation and irritate the mucous membranes in the nose, throat, and lungs, resulting in symptoms of running nose,

sore throat, coughing, chest discomfort, shortness of breath and difficulty in breathing. Persons with specific pre-existing as well as non-specific bronchial hyperreactivity can respond to concentrations of isocyanate below the exposure limit or guidelines with asthma or asthma-like symptoms. Exposure above these limits or guidelines may lead to bronchitis, bronchial spasm and fluid in lungs (pulmonary edema). Some persons may see a delay of these symptoms up to several hours after exposure, and these effects are usually reversible.

**Skin:** May cause skin irritation with symptoms of reddening, itching and swelling. Can cause sensitization with symptoms of reddening, itching, swelling and rash. Cured material is difficult to remove from the skin.

**Eye:** May cause eye irritation with symptoms of reddening, tearing, stinging and swelling, particularly with product vapor, mists or aerosol. May cause temporary corneal injury.

**Ingestion:** May cause irritation of the digestive tract with symptoms that include abdominal pain, nausea, vomiting, and diarrhea.

**Carcinogenicity:** No carcinogenic substances as defined by IARC, NTP and/or OSHA.

See Section 12 for Ecological Information.

### Section 3: Composition/ Information on Ingredients

Substances/Mixtures			
Chemical Name	Identifiers	% (by weight)	Comments
Homopolymer of Hexamethylene Diisocyanate	28182-81-2	50-75	Acute toxicity Category 4 Inhalation Respiratory sensitization Category 1 Specific target organ toxicity – single exposure Category 3 (Respiratory system) Specific target organ toxicity – repeated exposure Category 2 (Lungs)
Hexamethylene-1,6-Diisocyanate	822-06-0	<0.3	Acute toxicity Category 4 Oral Acute toxicity Category 1 Inhalation Skin corrosion Category 1 Serious eye damage Category 1 Respiratory sensitization Category 1 Skin Sensitization Category 1 Specific target organ toxicity – single exposure Category 3 Respiratory System.
Parachlorobenzotrifluoride (PCBTF)	98-56-6	<30	Serious eye damage/eye irritation Category 2A Flammable liquids Category 3 Skin corrosion/irritation Category 2 Specific target organ toxicity – single exposure Category 3 (Central Nervous System)

See Section 11 for Toxicological Information.

### Section 4: First-Aid Measures

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

**Skin:** In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Thoroughly clean shoes before reuse. Wash clothing and other apparel before reuse.

**Eye:** In case of contact, flush eyes with plenty of lukewarm water for at least 15 minutes. Use fingers to ensure that eyelids are separated and the eye is being irrigated. Get medical attention.

**Ingestion:** If ingested, do not induce vomiting unless directed to do so by medical personnel. May be harmful if swallowed and enters airways. May cause gastric irritation. May cause stomach cramps and vomiting. Get medical attention.

### Section 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Dry chemical, carbon dioxide, foam. Use water spray to keep fire-exposed containers cool.

Unsuitable Extinguishing Media: High volume water jet.

**Unusual Fire and Explosion Hazards:** Firefighters should wear NFPA approved self-contained breathing apparatus and full protective clothing. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse. Toxic and irritating gases/fumes, including heated diisocyanate that is considered extremely dangerous, may be given off during burning or thermal decomposition. PCBTF will not normally support combustion. Even though the product has a flash point of 109°F (42.8°C), PCBTF does not sustain combustion and will produce a flash before self-extinguishing. PCBTF has a fire point of 207°F (97.2°C).

Hazardous Combustion Products: carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen cyanide, isocyanate, and isocyanic acid. dense black smoke, and other compounds unidentified ,

**Advice for Fire Fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves. Vapors or mist may be a fire and explosion hazard when exposed to high temperature or ignition. Closed container may forcibly rupture under extreme heat. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Toxic gases/fumes may be given off during burning or thermal decomposition.

### Section 6: Accidental Release Measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate personal protective equipment. Evacuate surrounding areas and isolate the area. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Eliminate all sources of ignition if safe to do so. Evacuate area. Do not attempt to take action without suitable protective equipment, including self-contained breathing apparatus, full head and face protection, and complete protective clothing. Implement site emergency response plan.

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform authorities if the product has caused environmental pollution (sewers, drains, waterways or soil).

**Containment/Clean-up Measures:** Cleanup personnel must use appropriate personal protective equipment.

Evacuate and keep unnecessary personnel out of spill area. Remove all sources of ignition, including flames, heat, and sparks. Stop leak if without risk. Move containers from spill area. Dike or dam spilled material with non-combustible, absorbent material (e.g., sand, earth, vermiculite or diatomaceous earth) and control further spillage, where possible. Make certain the absorbent material soaks up all liquids.

Collect and place spilled material in container (e.g., 55-gal salvage drum) for proper disposal according to appropriate local, state and federal regulations. Repeat application of absorbent material until all liquid has been removed from the surface. Do not fill the salvage container more than two-thirds full to allow for any expansion, and do not tighten the lid on the container. Store salvage container (make certain lid is loose to allow release of carbon dioxide) in a well ventilated, isolated, and cool area for at least 72 hours. Properly dispose of the waste material and any contaminated equipment in accordance with existing federal, state and local regulations.

Decontaminate the spill surface area with a neutralization solution. A neutralization solution can be prepared with a combination of two solutions mixed 1:1 by volume: (Solution 1): Mineral Spirits (80%), VVM&P Naphtha (15%) and Household Detergent (5%); (Solution 2): Monoethanolamine (50%) and water (50%). Other neutralization solutions include: ZEP® Commercial Heavy-Duty Floor Stripper, EASY OFF® Grill and Oven Cleaner, a solution of Simple Green® Pro HD Heavy-Duty Cleaner (50%) and Household Ammonia (50%), and a solution of Fantastic® Heavy Duty All Purpose Cleaner (90%) and Household Ammonia (10%). Check for residual contamination using Swype® test kits from Colorimetric Laboratories, Inc. (Telephone 847-803-3737) and follow directions provided by the test kits. Repeat decontamination as necessary.

Do not allow spilled material or wash water to enter sewers, surface waters or groundwater systems.

### Section 7: Handling and Storage

**Handling:** Do not breathe vapors or spray mist. Avoid contact with eyes or skin. Avoid contact with clothing. Use only with adequate ventilation and personal protection. Remove contaminated personal protective equipment (PPE), then wash hands and face thoroughly after handling and before eating and drinking. Keep container closed when not in use. Empty containers retain product residue and can be hazardous. Do not get in eyes, on skin or on clothing. Do not ingest. Avoid release to the environment. Either single inhalation exposure to a relatively high concentration or repeated inhalation exposures to a relatively lower contamination can produce asthmatic sensitization. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed to vapor or spray mist. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination with moisture is suspected.

**Storage:** Storage period is 6 months after delivery by Pflaumer. Maximum storage temperature is 50°C (122°F). Keep away from food products during use and storage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled, unapproved or reactive containers. Use appropriate containment to avoid environmental contamination. Personnel education and training in the safe use and handling of this product are required under OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Incompatible Materials or Ignition Sources:** Hazardous polymerization does not occur. Avoid water, amines, strong bases, alcohols, and copper alloys.

### Section 8: Exposure Controls/ Personal Protection

**Special Note for Exposure Control:** Consult local authorities for further acceptable exposure limits.

#### Exposure Limits/ Guidelines

Chemical Name	Result	ACGIH/OSHA
Homopolymer of Hexamethylene Diisocyanate (CAS 28182-81-2)	STEL	0.001 pm
	TWA	0.005 ppm
	PEL	No data available.
Hexamethylene-1,6- Diisocyanate (CAS 822-06-9)	STEL	No data available.
	TWA	0.005 PPM
	PEL	No data available.
Parachlorobenzotrifluoride (PCBTF) (CAS 98-56-6)	STEL	25 pp (185 mg/m <sup>3</sup> ) Estimated
	TWA	No data available.
	PEL	No data available.

**Engineering Measures/Controls:** General dilution and local exhaust as necessary to control airborne vapors, mists, dusts, and thermal decomposition products below appropriate airborne concentration standards and guidelines. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination. Curing ovens must be ventilated to prevent the build-up of explosive atmospheres and to prevent off-gases from entering the work place.

**Environmental Exposure Controls:** Avoid release to the environment. Construct a dike to prevent spreading of spills. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating and drinking, smoking or using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal Protective Equipment

**Respiratory:** In case of inadequate ventilation, wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use positive pressure supplied air respirator when airborne concentrations are not known, when airborne levels are 10 times the appropriate TLV, and when spraying is performed or product is applied by aerosol in a confined space or area with limited ventilation. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Contact health and safety professional or manufacturer for specific information.

A respirator that is recommended or approved for use in isocyanate-containing environments, including air-purifying or fresh air-supplied, may be necessary for spray applications or other situations such as high temperature use that may produce unacceptable inhalation exposures. A supplied air respirator (either positive pressure or continuous flow-type) is recommended. Before an air-purifying respirator can be used, air monitoring must be performed to measure airborne concentrations of HDI monomer and HDI polyisocyanate. Specific conditions under which air-purifying respirators can be used are provided herein. Observe OSHA regulations for respirator use (29 CFR 1910.134).

When coatings containing isocyanate are spray applied, good industrial safety practice requires the use of some form of respiratory protection. During spray application of coatings containing this product, the use of a supplied-air (either positive pressure or continuous flow-type) respiratory is mandatory when one or more of the following conditions exist:

1. The airborne isocyanate concentrations are not known;
2. The airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours. This is 10 times the 8-hour TWA or the 15 minute STEL exposure limits.
3. The airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m<sup>3</sup> averaged over 8 hours or 10 mg/m<sup>3</sup> averaged over 15 minutes. This is 10 times the 8 hour TWA or the 15 minute STE'L exposure limits.
4. Operations are performed in a confined space (See OSHA Confined Space Standard, 29 CFR 1910.146).

A properly fitted air-purifying (combination organic vapor and particulate) respirator, proven by test to be effective in isocyanate-containing spray paint environments, and used in accordance with all recommendations made by the manufacturer, can be used when all of the following conditions are met:

1. The airborne isocyanate monomer concentrations are not known;
2. The airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours. This is 10 times the 8-hour TWA or the 15 minute STEL exposure limits.
3. The airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m<sup>3</sup> averaged over 8 hours or 10 mg/m<sup>3</sup> averaged over 15 minutes. This is 10 times the 8 hour TWA or the 15 minute STE'L exposure limits.
4. A NIOSH-certified End-Of-Service-Life Indicator or a change schedule based upon objective information or data is used to ensure that cartridges are replaced before the end of their service life. In addition, pre-filters should be changed whenever breathing resistance increases due to particulate buildup.

During non-spray operations such as mixing, batch-making, brush, or roller application, etc., at elevated temperatures (such as in the case where material is heated or material is applied to a hot substrate), exposure to airborne isocyanate vapors is possible. In this case, when the coatings system is applied in a non-spray manner, a supplied-air (either positive pressure or continuous flow-type) respiratory is mandatory when one or more of the following conditions exists:

1. The airborne isocyanate concentrations are not known;
2. The airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours (10 times the 8-hour TWA exposure limit);
3. The airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m<sup>3</sup> averaged over 8 hours or 10 mg/m<sup>3</sup> averaged over 15 minutes (10 times the 8-hour TWA or the 15-minute STEL exposure limits);
4. A NIOSH-certified End-Of-Service-Life Indicator or a change schedule based upon objective information or data is used to ensure that cartridges are replaced before the end of their service life. In addition, pre-filters should be changed whenever breathing resistance increases due to particulate buildup.

**Eye/Face:** Use chemical resistant goggles. Chemical safety goggles in combination with a full face shield must be used if a splash hazard exists.

**Hands:** Use permeation resistant gloves such as butyl rubber, nitrile rubber, or neoprene.

**Skin/Body:** Wear rubber or plastic apron and permeation resistant clothing, chemical-resistant gloves, and long-sleeved shirts, and pants. Remove and wash contaminated clothing before re-use.

**Special Requirements:** All applicants who are assigned to an isocyanate work area should undergo a pre-placement medical evaluation. A history of eczema or respiratory allergies such as hay fever, are possible reasons for medical exclusion from isocyanate work areas. Applicants with a history of prior isocyanate sensitization should be excluded from further work with isocyanates. A comprehensive annual medical surveillance program should be instituted for all employees who are potentially exposed to diisocyanates. Once a worker has been diagnosed as sensitized to any isocyanate, no further exposure should be permitted.

**General Industrial Hygiene Considerations:** Keep away from food and drink. Wash hands and face after use. Educate and train workers in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Follow all label instructions.

#### Key to Abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene  
 NIOSH = National Institute of Occupational Safety and Health  
 OSHA = Occupational Safety and Health Administration  
 MSHA = Mine Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day 40hr/week exposures  
 STEL = Short Term Exposure Limits are based on 15 minute exposures

### Section 9: Physical and Chemical Properties

#### Information on Physical and Chemical Properties

<b>Physical Form</b>	Liquid.	<b>Appearance/Description</b>	Clear.
<b>Color</b>	Colorless to pale yellow.	<b>Odor</b>	Minimal or no odor.
<b>Boiling Point</b>	Decomposes.	<b>Bulk Density</b>	No data available.
<b>Specific Gravity</b>	1.16 ± 0.1	<b>UEL</b>	No data available.
<b>Water Solubility</b>	Reacts.	<b>LEL</b>	No data available.
<b>Flash Point</b>	42.8°C (109°F) TCC	<b>NVW</b>	No data available.

**Section 10: Stability and Reactivity**

**Chemical Stability:** Stable under normal conditions of use and storage. When heated to decomposition, emits toxic fumes.

**Possibility of Hazardous Reactions:** Contact with moisture, other materials that react with isocyanates, or temperatures above 177°C (350°F) may cause polymerization.

**Conditions to Avoid:** Heat, flames and sparks.

**Incompatible Materials:** Water, amines, strong bases, alcohols, copper alloys.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, oxides of nitrogen, dense black smoke, hydrogen cyanide, isocyanate, isocyanic acid, and other compounds unidentified.

**Section 11: Toxicological Information**

Data on the product is not available. Data on a similar product is provided.

**ACUTE TOXICITY****Hexamethylene-1,6-diisocyanate Homopolymer (CAS 28182-81-2)**

LD50 Oral Rat, Female  $\geq 2,500$  mg/kg

LD50 Inhalation Rat, Female 0.390 – 0.543 mg/l 4h

LD50 Dermal Rabbit  $>2,000$  mg/kg

LD50 Dermal Rat  $>2,000$  mg/kg

**Hexamethylene-1,6-diisocyanate (CAS 822-06-0)**

LD50 Oral Rat, Female 746 mg/kg

LD50 Inhalation Rat, Female 0.124 mg/l 4h

LD50 Dermal Rat  $>7,000$  mg/kg

**Parachlorobenzotrifluoride (CAS 98-56-6)**

LD50 Oral Rat, 13000 mg/kg

LD50 Dermal Rabbit,  $>2000$  mg/kg

LD50 Inhalation rat, 33 mg/l

**IMMEDIATE (ACUTE) EFFECTS****Hexamethylene-1,6-diisocyanate Homopolymer (CAS 28182-81-2)**

Skin Corrosion/Irritation (Rabbit, 4h): Slight skin irritation. Skin sensitizer.

Eye Irritation (Rabbit): Slight irritant.

Inhalation (Mouse): Respiratory sensitizer.

STDT (One-time exposure): May cause respiratory irritation.

Carcinogenicity: No data available.

**Hexamethylene-1,6-diisocyanate (CAS 822-06-0)**

Skin Irritation (Rabbit): Corrosive.

Eye Irritation (Rabbit): Corrosive.

Dermal (Human): Sensitizer.

Respiratory (Guinea Pig): Sensitizer.

**Parachlorobenzotrifluoride (CAS 98-56-6)**

Causes skin irritation and serious eye irritation.

May have narcotic effects on the Central Nervous System (drowsiness, dizziness).

Carcinogenicity: **IARC** (International Agency for Research on Cancer) **Group 2B (Suspected Human Carcinogen)**. Listed by **California Proposition 65 for cancer**. Not listed for carcinogenicity by ACGIH or NTP (National Toxicology Program).

**ADDITIONAL INFORMATION:**

TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES OF THIS PRODUCT HAVE NOT BEEN THOROUGHLY INVESTIGATED.

**Section 12: Ecological Information****Toxicity:**

No data available on complete product; component ecotoxicity information is given below. This product is not expected to be acutely or chronically toxic to the environment by GHS standards. However, discharge to the environment should nevertheless be avoided.

**Hexamethylene-1,6-diisocyanate Homopolymer (CAS 28182-81-2)**

Acute and Prolonged Toxicity to Fish: LC50 100 mg/l (Zebra Fish, 96h), Acute Toxicity to Aquatic Invertebrates: EC50 100 mg/l (water flea, 48 h).

**Persistence and Degradability: Hexamethylene-1,6-diisocyanate (CAS 822-06-0)**

Not readily degradable.

**Bioaccumulative Potential: Hexamethylene-1,6-diisocyanate (CAS 822-06-0)**

Accumulation is not expected.

**Other Adverse Effects: Hexamethylene-1,6-diisocyanate (CAS 822-06-0)**

An accumulation in aquatic organisms is not expected.

**Other Information: Hexamethylene-1,6-diisocyanate (CAS 822-06-0)**

LC0:  $\geq 82.8$  mg/l (Zebra Fish, 48 h)

**Parachlorobenzotrifluoride (CAS 98-56-6)**

LC50 Fish 2: 11.5-15.8 mg/l *Lepomis macrochirus*  
EC50 Daphnia 1: 12.4 mg/l

**Section 13: Disposal Considerations**

**Waste Treatment Methods:** Dispose in accordance with Federal, State, and Local laws and regulations. The generation of waste should be avoided or minimized wherever possible. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Empty Container Precautions:** Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental laws and regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

**Section 14: Transport Information**

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
DOT	UN 2234	Chlorobenzotrifluorides	3	III	Not regulated.
IMO/IMDG	UN 2234	Chlorobenzotrifluorides	3	III, EMS No.: F-E, S-D	Not regulated.
IATA/ICAO	UN 2234	Chlorobenzotrifluorides	3	III	Not regulated.

**Special Precautions for User:** For DOT-regulated shipments, this product can be reclassified as a Combustible Liquid in accordance with 49 CFR 173.120(b)(2). When shipping as a Combustible Liquid in non-bulk containers, this product ships as non-regulated.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

**Section 15: Regulatory Information**

State Right to Know				
Component	CAS	MA	NJ	PA
Hexamethylene-1,6-diisocyanate Homopolymer	28182-81-2	28182-81-2	-	-
Hexamethylene-1,6-diisocyanate	822-06-0	822-06-0	822-06-0	-

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Components of TERACURE® 60-2030 TopCoat – ISO	Mixture	Listed on or in compliance with inventory	-	Listed on or in compliance with inventory

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 —  
 United States  
 Environment

**U.S. – CERCLA/SARA – Hazardous Substances and their Reportable Quantities:**

Hexamethylene-1,6-Diisocyanate (CAS 822-06-0): RQ = 100 lbs

**U.S. – SARA – Section 311/312 Hazard Categories: Immediate Health Hazard, Acute Health Hazard, Chronic Health Hazard**

**U.S. – CERCLA/SARA – Section 302 Extremely Hazardous Substances TPQs: None**

**U.S. – CERCLA/SARA – Section 313 – Toxic Chemical Release Inventory (TRI) Reporting:**

Hexamethylene-1,6-Diisocyanate (CAS 822-06-0) 1% *de Minimis* Limit

**U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components: None**

**U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 372.65) Supplier Notification Required Components: None**

**U.S. Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):** Under RCRA it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

**United States – California**

**WARNING: This product can expose you to chemicals such as p-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (Parachlorobenzotrifluoride), which is known to the state of California to cause cancer, birth defects, or reproductive harm.** For more information, go to [www.p65Warnings.ca.gov](http://www.p65Warnings.ca.gov).

**U.S. – California – Proposition 65 – Carcinogens List:** Parachlorobenzotrifluoride (CAS 98-56-6)

**U.S. – California – Proposition 65 – Developmental Toxicity: None**

**U.S. – California – Proposition 65 – Maximum Allowable Dose Levels (MADL): None**

**U.S. – California – Proposition 65 – No Significant Risk Levels (NSRL): None**  
**U.S. – California – Proposition 65 – Reproductive Toxicity – Female: None**  
**U.S. – California – Proposition 65 – Reproductive Toxicity – Male: None**

Based on information provided by Pflaumer suppliers, this product is considered “DRC Conflict Free” as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716, File No. S7-40-10, Date 08-22-212).

**Section 16: Other Information**

**Last Revision Date: NDA**  
**Preparation Date: 12/23/2024**

**Disclaimer/ Statement of Liability:**

**This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of Coatary LLC. The information in this MSDS relates only to the specific material designated herein. Coatary LLC assumes no legal responsibility for use of or reliance upon the information in this SDS.**

**Key to Abbreviations**  
NDA = No data Available