



CLT-652E

REVISION DATE: 01/15/2020

SAFETY DATA SHEET
CLT-652E

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: CLT-652E

MANUFACTURER: Precision Performance Coatings, Inc.
1480 S. Industrial Park Road
Lincolnton, NC 28092

DATE SUBMITTED: 01/15/2020

Telephone Number-24-Hour Emergency Assistance

Infotrac 800-535-5053
Infotrac Int'l 352-323-3500

Telephone Number-Technical Service 704-736-0048

CHEMICAL FAMILY: Polyurethane

CHEMICAL NAME: Isocyanates

FORMULA: Not Applicable

DOT SHIPPING NAME: Diphenyl Methane - 4.4 Diisocyanate Mixture

DOT NON-BULK HAZARD CLASSIFICATION: Non-Regulated

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Color: Colorless to Yellow Form: Liquid Odor: Mild

May cause allergic skin reaction. May cause allergic respiratory reaction. May cause lung injury. May cause eye irritation. May cause skin irritation. May cause respiratory tract irritation. Sprayed or heated material harmful if inhaled. Toxic fumes may be released in fire situations. May react with water. Elevated temperatures can cause hazardous polymerization. Material reacts slowly with water, releasing carbon dioxide which can cause pressure buildup and rupture of closed containers. Elevated temperatures accelerate this reaction. Isolate area. Keep upwind of spill. Stay out of low areas.

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Health Effects:

Eye Contact:

May cause eye irritation. May cause slight temporary corneal injury.



(Cont. HAZARDS IDENTIFICATION)**Skin Contact:**

Prolonged contact may cause skin irritation with local redness. Material may stick to skin causing irritation upon removal. May stain skin.

Skin Absorption:

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Skin Sensitization:

Skin contact may cause an allergic skin reaction. Animal studies have shown that skin contact with isocyanates may play a role in respiratory sensitization.

Inhalation:

At room temperature, vapors are minimal due to low volatility. However, certain operations may generate vapor or mist concentrations sufficient to cause respiratory irritation and other adverse effects. Such operations include those in which the material is heated, sprayed or otherwise mechanically dispersed such as drumming, venting or pumping. Excessive exposure may cause irritation to upper respiratory tract(nose and throat) and lungs. May cause pulmonary edema(fluid in the lungs). Effects may be delayed. Decreased lung function has been associated with overexposure to isocyanates.

Respiratory Sensitization:

May cause allergic respiratory response. MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized. Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Occasionally, breathing difficulties may be life threatening.

Ingestion:

Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Observations in animals include: Gastrointestinal irritation.

Aspiration Hazard:

Based on physical properties, not likely to be an aspiration hazard.

Effects of Repeated Exposure:

Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI/Polymeric MDI aerosols.

Cancer Information:

Lung tumors have been observed in laboratory animal exposed to respirable aerosol droplets of MDI/Polymeric MDI (6mg/m³) for their lifetime. Tumors occurred concurrently with respiratory irritation and lung injury. Current exposure guidelines are expected to protect against these effects reported for MDI.

Birth Defects/Developmental Effects: In laboratory animals, MDI/Polymeric MDI did not cause birth defects; other fetal effects occurred only at high doses which were toxic to the mother.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Principal Hazardous Component	CAS-No	Percent%
Isocyanate 4,4'Diphenylmethane Diisocyanate and Higher Oligomers	101-68-8	41-48
MDI Homopolymer	39310-05-9	10-15
Polyurethane Prepolymer of MDI & Polyether Polyol	26447-40-5	45-48
Surfactant		<1.5
Stabilizer		<1

*Note: CAS 101-68-8 is an MDI isomer that is part of CAS 26447-40-5.

4. FIRST AID MEASURES

- General Advice:** First aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Eye Contact:** Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.
- Skin Contact:** Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing & shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. An MDI skin decontamination study demonstrated that cleaning very soon after exposure is important, and that a polyglycol-based skin cleanser or corn oil may be more effective than soap and water. discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. Suitable emergency safety shower facility should be available in work area.
- Inhalation:** Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.
- Ingestion:** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
- Notes to Physician:** Treat symptomatically.

Most Important Symptoms and Effects, Both Acute and Delayed

Aside from the information found under Description of first aid measures (above) and indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of Immediate Medical Attention and Special Treatment Needed:

Maintain adequate ventilation and oxygenation of the patient. May cause respiratory sensitization or asthma-like symptoms. Bronchodilators, expectorants and antitussives may be of help. Treat broncho spasm with inhaled beta2 agonist and oral or parenteral corticosteroids. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. If you are sensitized to diisocyanates, consult your physician regarding working with other respiratory irritants or sensitizers. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).

5. FIRE-FIGHTING MEASURES

Flashpoint: >200°C Open Cup

Autoignition: Not Available

Suitable extinguishing media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Extinguishing Media to Avoid: Do not use direct water stream. May spread fire.

(Cont. FIRE-FIGHTING MEASURES)**Special Hazards Arising From the Substance or Mixture**

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides, Isocyanates, Hydrogen cyanide, Carbon monoxide and Carbon dioxide.

Unusual Fire and Explosion Hazards: Material reacts slowly with water, releasing carbon dioxide which can cause pressure buildup and rupture of closed containers. Elevated temperatures accelerate this reaction. Container may rupture from gas generation in a fire situation. Violent stream generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is produced when product burns.

Advice for Firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Stay upwind keep out of low areas where gases (fumes) can accumulate. Water is not recommended, but may be applied in large quantities as a fine spray when other extinguishing agents are not available. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Use water spray to cool fire-exposed containers and fire-affected zone until fire is out. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of the (M)SDS.

Special Protective Equipment for Firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Combustion/Explosion Hazards: In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective Equipment and Emergency Procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Keep personnel out of low areas. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. If available, use foam to smother or suppress. Refer to Section 7, Handling, for additional precautionary measures. See Section 10 for more specific information. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and Materials for Containment and Cleaning up: Contain spilled material if possible. Absorb with materials such as: Dirt. Vermiculite. Sand. Clay. Do NOT use absorbent materials such as: Cement powder (Note: may generate heat). Collect in suitable and properly labeled open containers. Do not place in sealed containers. Suitable containers include: Metal drums. Plastic drums. Polylined fiber pacs. Wash the spill site with large quantities of water. Attempt to neutralize by adding suitable decontaminant solution: Formulation 1: Sodium Carbonate 5-10%; liquid detergent 0.2-2%; water to make up to 100%, OR Formulation 2: concentrated ammonia solution 3-8%; liquid detergent 0.2-2%; If ammonia is used, use good ventilation to prevent vapor exposure.

7.HANDLING AND STORAGE

General Handling: Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Wash thoroughly after handling. Keep container tightly closed. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Other Precautions: Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

Storage Procedures: Store in a dry place. Protect from atmospheric moisture. Do not store product contaminated with water to prevent potential hazardous reaction. See Section 10 for more specific information.

Storage Period:

1 Year

Storage Temperature:

25-35°C

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits Component	List	Type	Value
4,4'-Methylenediphenyl Diisocyanate	ACGIH	TWA	0.005 PPM
	OSHA Table	Ceiling	0.2 mg/m ³ 0.02 ppm
	Z-1		

Personal Protection

Eye/Face Protection: Use chemical goggles.

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Hand Protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Chlorinated polyethylene. Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl Chloride ("PVC" or "Vinyl"). Viton. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When atmospheric levels may exceed the exposure guideline, use an approved air-purifying respirator equipped with an organic vapor sorbent and a particle filter. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplying respirator (air line or self-contained breathing apparatus). For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure self-contained breathing apparatus or positive-pressure air line with auxiliary self-contained air supply. The following should be effective types of air-purifying respirators: organic vapor cartridge with a particulate pre-filter.

Ingestion: Use good personal hygiene. Do Not consume or store food in the work area. Wash hands before smoking or eating.

Engineering Controls

Ventilation: Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. Exhaust systems should be designed to move the air away from the source of inadequate to warn of excessive exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash point - Open Cup	>200°C
Flammable limits (in air)	Lower: No test data available Upper: No test data available
Physical State	Liquid
Vapor pressure	.0003 mmHg @ 25°C
Color	Colorless to Yellow
Vapor Density (Air = 1)	>1 Estimated
Odor	Mild
pH	Not applicable
Evaporation Rate (Butyl Acetate = 1)	No test data available
Specific Gravity (H₂O = 1)	1.11
Autoignition Temperature	No test data available
Decomposition	No test data available
Molecular Weight	No test data available
Water Solubility (by weight)	insoluble, reacts, evolution of CO ₂
Boiling Point (760 mmHg)	(590°F) Decomposes
Melting/freezing point	No test data available
Viscosity, kinematic	No test data available
Partition Coefficient, n-octanol/water (log pow)	Reacts with water.
Flammability (solid, gas)	Not applicable to liquids
Oxidizing Properties	No
Explosive properties	Not explosive
Odor Threshold	0.4 ppm Based on Literature for MDI. Odor is inadequate warning of excessive exposure.

10. STABILITY AND REACTIVITY

Reactivity

Products based on diisocyanates like TDI and MDI react with many materials to release heat. The reaction rate increases with temperature as well as with increased contact; these reactions can become violent. Contact is increased by stirring or if the other material acts as a solvent. Products based on diisocyanates such as TDI and MDI are not soluble in water and will sink to the bottom, but react slowly at the interface. The reaction forms carbon dioxide gas and a layer of solid polyurea.

Chemical Stability

Stable under recommended storage conditions. See Storage, Section 7.

(Cont. STABILITY AND REACTIVITY)**Possibility of hazardous reactions**

Can occur. Polymerization can be catalyzed by: Strong bases & Water.

Conditions to Avoid

Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid. Avoid moisture. Material reacts slowly with water, releasing carbon dioxide which can cause pressure buildup and rupture of closed containers. Elevated temperatures accelerate this reaction.

Incompatible Materials

Avoid contact with: Acids, alcohols, amines, water, ammonia, bases, metal compounds, most air & strong oxidizers. Products based on diisocyanate like TDI and MDI react with many materials to release heat. The reaction rate increases with temperature as well as with increased contact; these reactions can become violent. Contact is increased by stirring or if the other material acts as a solvent. Products based on diisocyanates such as TDI and MDI are not soluble in water and will sink to the bottom, but reacts slowly at the interface. The reaction forms carbon dioxide gas and a layer of solid polyurea. Avoid contact with metals such as: Aluminum, zinc, brass, tin, copper & galvanized metals. Avoid contact with absorbent materials such as: Moist organic absorbents. Avoid unintended contact with polyols. The reaction of polyols and isocyanates generate heat.

Hazardous Decomposition Products

Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****Ingestion**

As product: Single dose oral LD50 has not been determined.

Based on information for component(s): Estimated. LD50, rat >2,000 mg/kg

Dermal

As product: The dermal LD50 has not been determined.

Based on information for component(s): Estimated. LD50, rabbit > 2,000 mg/kg

Inhalation

As product: The LC50 has not been determined.

Eye Damage/Eye Irritation

May cause eye irritation. May cause slight temporary corneal injury.

Skin Corrosion/Irritation

Prolonged contact may cause skin irritation with local redness. Material may stick to skin causing irritation upon removal. May stain skin.

Sensitization**Skin**

Skin contact may cause an allergic skin reaction. Animal studies have shown that skin contact with isocyanates may play a role in respiratory sensitization.

Respiratory

May cause allergic respiratory response. MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized. Asthma-like symptoms may include coughing, difficulty breathing and a feeling of tightness in the chest. Occasionally, breathing difficulties may be life threatening.

Repeated Dose Toxicity

Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI/Polymeric MDI Aerosols.

(Cont. TOXICOLOGICAL INFORMATION)**Chronic Toxicity and Carcinogenicity**

Lung tumors have been observed in laboratory animals exposed to respirable aerosol droplets of MDI/Polymeric MDI (6 mg/m³) for their lifetime. Tumors occurred concurrently with respiratory irritation and lung injury. Current exposure guidelines are expected to protect against these effects reported for MDI.

Developmental Toxicity

In laboratory animals, MDI/Polymeric MDI did not cause defects; other fetal effects occurred only at high doses which were toxic to the mother.

Reproductive Toxicity

No relevant data found.

Genetic Toxicology

Genetic toxicity data on MDI are inconclusive. MDI was weakly positive in some in vitro studies; other in vitro studies were negative. Animal mutagenicity studies were predominantly negative.

12.ECOLOGICAL INFORMATION**Toxicity**

The measured Ecotoxicity is that of the hydrolyzed product, generally under conditions maximizing production of soluble species. Material is practically non-toxic to aquatic organisms on an acute basis (LC₅₀/EC₅₀/EL₅₀/LL₅₀>100 mg/L in the most sensitive species tested.)

Fish Acute & Prolonged Toxicity

Based on information for a similar material: LC₅₀, Danio rerio (zebra fish), static test, 96 h: > 1,000 mg/l

Aquatic Invertebrate Acute Toxicity

Based on information for a similar material: EC₅₀, Daphnia magna (Water flea), Static test, 24 h: >1,000 mg/l

Aquatic Plant Toxicity

Based on information for a similar material: NOEC, Desmodesmus subspicatus (Green Algae), static test, Growth rate inhibition, 72 h: 1,640 mg/l

Toxicity to Micro-organisms

Based on information for a similar material: EC₅₀, activated sludge test (OECD 209), Respiration inhibition, 3 h: >100 mg/l

Toxicity to Soil Dwelling Organisms

EC₅₀, Eisenia fetida (Earthworms), 14 d:>1,000 mg/kg

Persistence/Degradability

In the aquatic and terrestrial environment, material reacts with water forming predominantly insoluble polyureas which appear to be stable. In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.

OECD Biodegradation Tests: Based on information for a similar material:

Biodegradation	Exposure Time	Method	10 Day Window
0%	28d	OECD 302C Test	Not applicable

Bioaccumulative Potential

Bioaccumilation: Bioconcentration potential is low (BCF <100 or Log Pow < 3).

In the aquatic and terrestrial environment, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.

Bioconcentration Factor(BCF): Bioconcentration potential is low (BCF < 100 or Log Pow < 3). 92; Cyprinus carpio (Carp)

Mobility in Soil

Mobility in Soil: In the aquatic and terrestrial environmental, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.

13.DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION: COMPOSITION INFORMATION. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler, reclaimer, Incinerator or other thermal destruction device. For additional information, refer to: Handling & Storage Information, SDS Section 7 Stability & Reactivity Information, SDS Section 10 Regulatory Information, SDS Section 15.

14.TRANSPORT INFORMATION

DOT Non-Bulk

Not Regulated

DOT Bulk

ID No.: NA3082

Technical Name: MDI

Proper Shipping Name: Other Regulated Substance, Liquid, N.O.S

Hazard Class: 9

Packing Group: PG III



IMDG

Not Regulated

IATA/ICAO

Not Regulated

Additional Information

Reportable quantity: 5,000 lb-MDI-RQ based on 172. 101 Appendix A for pure MDI.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	Yes
Fire Hazard	No
Reactive Hazard	Yes
Sudden Release of Pressure Hazard	No

(CONT. REGULATORY INFORMATION)**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 313**

This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372.

Component	CAS#	Amount
4,4'-Methylenediphenyl diisocyanate	101-68-8	>45.0-<55.0%

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List:

The following product components are cited in the Pennsylvania Hazardous Substance List and/or the Pennsylvania Environmental Substance List, and are present at levels which require reporting.

Component	CAS#	Amount
4,4'-Methylenediphenyl diisocyanate	101-68-8	>45.0-<55.0%

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Special Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

This product contains the following substances which are subject to CERCLA Section 103 reporting requirements and which are listed in 40 CFR 302.4.

Component	CAS#	Amount
4,4'-Methylenediphenyl diisocyanate	101-68-8	>45.0-<55.0%

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

US. Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

CEPA-Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

16. OTHER INFORMATION**Product Literature**

Additional information on this product may be obtained by calling your sales or customer service contact.

Recommended Uses and Restrictions**Identified Uses**

Component(s) for the manufacture of urethane polymers. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

(Cont. OTHER INFORMATION)**Revision**

Issue Date: 01/15/2020

Revised By: Keisha Eldridge

Approved By: H. E. Carmichael

Precision Performance Coatings, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.