

Poly 87 B

SECTION 1. IDENTIFICATION	
Product identifier	Poly 87 B
Other Means of Identification	N. A
Recommended Use	Solvent borne Polyurea coating
Restrictions on Use	Unknown
Supplier Identifier	PPI Tech Inc. 2700Cumberland st Lebanon PA USA 17042 Web: www.ppitechinc.com
Emergency Phone No.	24-Hour Emergency Telephone Number Canada (CANUTEC): (613) 996-6666

SECTION 2. HAZARD IDENTIFICATION	
Classification	Flammable liquid Category 3 Carcinogen Category 4 Aspiration hazard Category 2 Acute Toxicity, Inhalation-mist Category 4 Skin corrosion/irritation Category 2 Skin Sensitization Category 1 Respiratory sensitization Category 1 Specific target organ toxicity-single exposure Category 3- respiratory system Specific target organ toxicity-single exposure Category 3- narcotic effects

Label Elements



Signal Word

Danger

Hazard Statements

H226: Flammable liquid and vapor.

H304: May be harmful if swallowed and enters airways.

H332: Harmful if inhaled.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness

H351: Suspected of causing cancer

Precautionary statements

Prevention:

P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/ hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion proof electrical/ventilating/lighting equipment. P242 Use only non-sparking tools. P243 Take action to prevent static discharge. P280 Wear protective gloves/protective clothing/eye protection/face protection. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P260 Do not breathe dust/fume/gas/mist/vapors/spray. P284 In case of inadequate ventilation wear respiratory protection. P272 Contaminated work clothing should not be allowed out of the workplace. P308 + P313 If exposed or concerned: Get medical advice/attention. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 Do NOT induce vomiting. 304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P342 + P311 If experiencing respiratory symptoms: Call a poison center/doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry chemical, CO₂, alcohol foam or water spray to extinguish. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other Hazards: Unknown

Chemical Name	CAS No.	% concentration
Hexamethylene isocyanate oligomers, isocyanurate	28182-81-2	50 - 70 %
Hexamethylene-di-isocyanate	822-06-0	< 0.5 %
Light aromatic solvent naphtha, petroleum	64742-95-6	30 - 40%

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation:

IF INHALED: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to mouth resuscitation.

Skin Contact:

Flush with soap and water for a minimum of 15 minutes. Consult a physician if irritation persists or you feel unwell.

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

Ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

If on skin:

Harmful if in contact with the skin. Causes skin irritation. Exposure may produce an allergic reaction

If in eyes:

Causes serious eye damage.

If Ingested:

Ingestion is likely to be harmful or have adverse effects

Immediate Medical Attention and Special Treatment:**Special Instructions:**

If a physician or medical attention is required, have product container or label at hand.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing Media****Suitable Extinguishing Media**

In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO₂)

Unsuitable Extinguishing Media

water jet

Specific Hazards Arising from the Product

During fire, nitrous gases, fumes/smoke, isocyanates and vapor may be formed.

Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and turn-out gear must be worn in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment, and Emergency Procedures**

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Methods and Materials for Containment and Clean up

For containment, ensure adequate ventilation and absorb any spill with inert liquid binding material and dispose of waste safely.

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling**

Provide suitable exhaust ventilation at the processing machines. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation. When handling heated product, vapors of the product should be ventilated and respiratory protection used. Wear respiratory protection when spraying. Danger of bursting when sealed gastight. Protect against moisture. If bulging of drum occurs, transfer to well-ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

Conditions for Safe Storage

Store in cool dry and well-ventilated place. Keep stored in accordance with local, regional, national, and international regulations. Store away from incompatible materials.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

All protective clothing should be appropriately clean and available to dress into before work. The engineering measures or controls and PPE recommendations are only guidelines and may not apply to every situation.

Data not available. For additional information, please consult the corresponding requirements under <http://www.ccohs.ca/topics/hazards/chemical/chemicals/>

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term

Appropriate Engineering Controls

Local exhaust ventilation required. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation. Provide sufficient ventilation to keep vapors below permissible exposure limit. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national / local regulations are observed.

Individual Protection Measures



General Measures

Do not eat, drink or smoke during work. Avoid all contact with skin or eye. If clothing comes into contact with material, do not allow out of the workplace. Clean hands and any exposed skin thoroughly after work and before breaks.

Eye / Face Protection

Use tightly sealed goggles or safety glasses with side shields which are resistant to Chemicals.

Skin Protection

Wear chemical resistant protection gloves. Wear impervious clothing as necessary to protect against coming in contact with product.

Respiratory Protection

If insufficient ventilation, wear respiratory protection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light Yellow Liquid
Odor	Not available
Odor threshold	Not available
pH	Not available
Melting Point	Not available
Initial Boiling Point / Range	Approximately 149°C
Flash point	>106
Evaporation rate	Not available
Flammability (solid; gas)	Not available

Lower flammable/explosive limit	Not available
Upper flammable/explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.04
Solubility	Reacts with water
Partition coefficient – n- Octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Non-reactive
Chemical stability	Stable under recommended handling and storage conditions
Possibility of Hazardous reactions	Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalies. Reacts with amines. Risk of exothermic reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of substance/product with subsequent loss in strength.
Conditions to avoid	Avoid moisture. Strong oxidizing agents. Strong acids.
Incompatible materials	Acids, amines, alcohols, water, alkalines, strong bases, substances/products that react with isocyanates.
Hazardous decomposition products	Carbon monoxide, Carbon dioxide, nitrogen oxide, hydrogen cyanide, aromatic isocyanates, gases/vapors.

SECTION 11. TOXICOLOGY INFORMATION

Likely Routes of Administration

Inhalation, skin contact, eye contact, ingestion.

Acute Toxicity

Oral: Harmful if swallowed.

Dermal: Harmful in contact with skin.

LD50 and LC50 Data

Not available

Skin Corrosion/Irritation

Causes skin irritation.

Serious Eye Damage/ Irritation

Causes serious eye damage

STOT (Specific Target Organ Toxicity) – Single Exposure Inhalation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Aspiration Hazard

Not classified based on available data.

STOT (Specific Target Organ Toxicity) – Repeated Exposure

Skin, eyes, central nervous system, respiratory system

Respiratory and/or Skin Sensitization

May irritate mucous membranes, eyes, nose, and respiratory passages. May cause asthma attack to persons with pre-existing bronchial hyper reactivity. Exposure to high concentrations may lead to bronchitis, bronchial spasm and pulmonary oedema. Effects are usually reversible. May cause C.N.S. depression with symptoms of nausea, light-headedness, drowsiness, dizziness, loss of coordination

Carcinogenicity

Unknown

Chemical Name	IARC	ACGIH®	NTP	OSHA

Reproductive Toxicity

Not available

Germ Cell Mutagenicity

Not available

Interactive Effects

Not available

SECTION 12. ECOLOGICAL INFORMATION

No Data available

This is not required by WHMIS

This is not required by OSHA HCS 2012

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

SECTION 14. TRANSPORT INFORMATION

UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:
UN1263; PAINT RELATED MATERIAL; CLASS 3; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):
UN1263; PAINT RELATED MATERIAL; CLASS 3; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):
UN1263; PAINT RELATED MATERIAL; CLASS 3; PG III

SECTION 15. REGULATORY INFORMATION

Not required under Canadian Regulations.

SECTION 16. OTHER INFORMATION

Date of Preparation	August 2020
Date of Last Revision	January 4, 2023
Revision Indicators	The entire MSDS was change in August 2020 to be in accordance with the WHMIS 2015 which incorporates the Globally Harmonized System of Classification and Labeling of Chemicals for Canadian Workplaces.
References	<ol style="list-style-type: none"> 1. CHOHS Fact Sheets September 2016 ©CCOHS 2016 2. Supplier's Material Safety Data Sheet(s)

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