



PPI Tech Inc
2700 W Cumberland St Bld 5
Lebanon, Pa 17042
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SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	Poly 85 Part B
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	PPI Tech Inc 2700 WCumberland St Bld 5 Lebanon, Pa 17042 Tel # 717 847 7304
Emergency telephone number/restriction on use	

Section 2. Hazard Identification

Classification of hazardous product (name of the category or subcategory of the hazard class)
Skin corrosion/ irritation (Category 2) Skin sensitization (Category 1B) Serious eye damage/eye irritation (Category 2A) Acute toxicity, Inhalation (Category 4) Sensitisation Respiratory (Category 1) Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3) Hazardous to the aquatic environment, long-term hazard (Category 3)
Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



Warning

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
 H412 Harmful to aquatic life with long lasting effects.

Prevention

P260 + P261 Do not/Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well ventilated area P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear gloves/protective clothing/gloves/eye protection/face protection. P284 (In case of inadequate ventilation) wear respiratory protection.

Response

IF ON SKIN: P302 + P352 Wash with plenty of water. P332 + P313 If skin irritation occurs: get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse.
 IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 Call a doctor if you feel unwell. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor
 IF IN EYES: P305 + P351 + P338, Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.

Storage

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

Disposal

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known	None
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Section 3. Composition/Information on Ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)*
1,6 -Hexamethylene Diisocyanate Based Polyisocyanate	28182-81-2	60 - 100 %
Aliphatic diisocyanate	822-06-0	< 1 %

*Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

Section 4. First-aid measures

Inhalation	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.
Ingestion	IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit.
Skin contact	IF ON SKIN: Take off contaminated clothing, wash immediately with soap and plenty of water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Wash clothing before reuse. If symptoms persist, seek medical attention.

Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.				
Most important symptoms and effects (acute or delayed)	Causes skin and eye irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.				
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.				
Section 5. Fire-Fighting Measures					
Specific hazards of the hazardous product (hazardous combustion products)					
Toxic fumes.					
Suitable and unsuitable extinguishing media					
In case of fire: Use limestone powder, carbon dioxide (CO ₂), dry chemical.					
Special protective equipment and precautions for fire-fighters					
During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required.					
Section 6. Accidental Release Measures					
Personal precautions, protective equipment and emergency procedures					
Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8). Prevent the spill spread into drains, sewers, water supplies, or soil.					
Methods and materials for containment and cleaning up					
Avoid prolonged exposure. Spill should be contained with inert material and disposed into suitable retaining area. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Dispose of in accordance with local, provincial and federal regulations.					
Section 7. Handling and Storage					
Precautions for safe handling					
Do not/Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear gloves/protective clothing/gloves/eye protection/face protection. (In case of inadequate ventilation) wear respiratory protection.					
Conditions for safe storage, including any incompatibilities					
Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C.					
Section 8. Exposure Controls/Personal Protection					
Control parameters (biological limit values or exposure limit values and source of those values)					
Exposure limits ACGIH – TLV- TWA: CAS 28182-81-2: 0.5 mg/m ³ ; CAS 822-06-0: 0.02 mg/m ³					
Appropriate engineering controls					
Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.					
Individual protection measures/personal protective equipment					
Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.					
Section 9. Physical and Chemical Properties					
Appearance, physical state/colour		Liquid	Vapour pressure	Not available	
Odour	Faint odor		Vapour density	Not available	
Odour threshold	Not available		Relative density	Not available	
pH	Not available		Solubility	Reacts	
Melting/freezing point		Not available	Partition coefficient - n-octanol/water		Not available
Initial boiling point/range		Not available	Auto-ignition temperature		165 °C
Flash point	> 65 °C		Decomposition temperature		Not available
Evaporation rate	Not available		Viscosity	Not available	
Flammability (solids and gases)		Not available	VOC	Not available	
Upper and lower flammability/explosive limits		Not available	Other	None known	
Section 10. Stability and Reactivity					

Reactivity	
Stable under normal conditions.	
Chemical stability	
Yes, Stable under the recommended storage and handling conditions prescribed.	
Possibility of hazardous reactions	
Non under normal conditions of storage and use.	
Conditions to avoid (static discharge, shock or vibration)	
Excess heat. Exposure to moisture	
Incompatible materials	
Copper, amine, oxidizing agents, humid air, water, alcohol, metals, acid, strong bases.	
Hazardous decomposition products	
Isocyanate, carbamate, cyanic acid, cyanogen, nitrile, toxic cyanate, hydrogen cyanide, Carbon dioxide (CO ₂), carbon mono (CO)	
Section 11. Toxicological Information	
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	
Causes skin and eye irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.	
Symptoms related to the physical, chemical and toxicological characteristics	
No specific information available.	
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	
Skin Sensitization – May cause allergic skin reaction. Skin disorders and Allergies; Respiratory Sensitization – No data available; Cell Mutagenicity – Animal genetic toxicity studies were negative (Salmonella typhimurium, Metabolic Activation: with/without); Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – 3 weeks inhalation: NOAEL: 3.7-4.3 mg/m ³ , (rat); 90 days inhalation: NOAEL: 3.3-3.4 mg/m ³ , (rat) irritation to lungs and nasal cavity; Aspiration Hazard – Based on physical properties, not likely to be an aspiration hazard; Health Hazards Not Otherwise Classified – No data available.	
Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)	
CAS 28182-81-2 LD ₅₀ Oral - Rat - > 5,000 mg/kg; LD ₅₀ Dermal – Rabbit – 5,000 mg/kg; LC ₅₀ Inhalation - Rat – 390-453 mg/m ³ 4hrs; ATE not available in this document.	
Section 12. Ecological Information	
Ecotoxicity (aquatic and terrestrial information)	
Acute and prolonged Toxicity to Fish: CAS 28182-81-2: Acute and Prolonged LC50: > 100 mg/L (Zebra fish (Brachydanio rerio) 96h); Acute Toxicity to Aquatic Invertebrates: CAS 28182-81-2 EC50: > 100 mg/L (Water flea (Daphnia magna) 48 h); Toxicity to Aquatic Plants: CAS 28182-81-2 EC50: > 1,000 mg/L, (Green algae (Scenedesmus subspicatus) 72 h); Toxicity to Microorganisms: CAS 28182-81-2 EC50: > 1,000 mg/L, (Activated sludge microorganism, 3 h).	
Persistence and degradability	CAS 28182-81-2: 0%, Exposure time: 28 Days, Not readily biodegradable.
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	Harmful to aquatic life with long lasting effects.
Section 13. Disposal Considerations	
Information on safe handling for disposal/methods of disposal/contaminated packaging	
Dispose of contents/container into safe container in accordance with local, regional or national regulations.	
Section 14. Transport Information	
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations	
Not regulated	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
Not regulated	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
Not regulated	
Special precautions (transport/conveyance)	None
Environmental hazards (IMDG or other)	None
Bulk transport (usually more than 450 L in capacity)	None
Section 15. Regulatory Information	
Environmental Canadian regulations specifics	Refer to Section 3 for ingredient(s) of the DSL
Safety/health/environmental outside regulations specifics	
United States OSHA information: This product is regulated according to OSHA (29 CFR).	
United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.	

United States TCSA information: Refer to the ingredients listed in Section 3.	
Section 16. Other Information	
Date of the latest revision of the safety data sheet	November 27, 2018 - version 2
References	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
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