

# PRECISION COATINGS SAFETY DATA SHEET

## Section 1. Identification

**GHS product identifier:** PC-03 Polyurethane Activator  
**Product number:** 30000  
**Product use:** Polyurethane Activator  
**Restrictions on use:** None known  
**Manufacture/Supplier:** Precision Coatings  
**Address:** 1940 E. Trafficway  
Springfield, MO 65802  
**Telephone:** 417-862-5738  
**FAX:** 417-862-8874  
**Website:** www.precisioncoatingsinc.com  
**Emergency telephone number:** 800-424-9300 Chemtrec Contract CCN675735

## Section 2. Hazards identification

**OSHA/HCS status:** This material is considered hazardous by the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

**Hazard classification:**

**Physical hazards:** Flammable Liquids: Category 3

**Health hazards:** Skin Irritation: Category 2  
Skin Sensitizer: Category 1  
Eye Irritation: Category 2  
Acute Toxicity/Inhalation: Category 4  
Respiratory Sensitizer: Category 1  
Specific Target Organ Toxicity (Single Exposure): Category 3, RTI  
STOT, Repeated Exposure, Category 2

### GHS label elements

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:** 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.

**Precautionary statements:**

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting/equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.  
P264: Wash thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.

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P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P284: (in the case of inadequate ventilation) wear respiratory protection.

**Response:** P302+P352: IF ON SKIN: Wash with plenty of water.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340: IF INHALED: Remove person to fresh air and keep 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.  
P312: Call a POISON CENTER/doctor/physician if you feel unwell.  
P321: Specific treatment (see first aid section on this label).  
P333+P313: Specific treatment (see first aid section on this label).  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P370+P378: In case of fire: Use appropriate method to extinguish.

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

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

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

### Section 3. Composition / Information on Ingredients

Components:	CAS #	Percent
Parachlorobenzotrifluoride	98-56-6	50-75
HDI homopolymer	28182-81-2	25-50

### Section 4. First aid measures

**Eye Contact:** Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

**Skin Contact:** Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse.

**Inhalation:** Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

**Ingestion:** Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone. Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

### Section 5. Fire-fighting measures

**Extinguishing media:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

**Unusual Fire and Explosion Hazards:** Flammable liquid and vapor. Vapors can travel to a source of ignition and flash

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back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme heat.

### Special Firefighting Procedures:

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminates all sources of ignition. Do not use water. Water spray to cool containers or protect personnel. Use with caution.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### Steps to be Taken in Case Material is Release or Spilled:

Wear appropriate personal protective equipment (See Exposure Controls / Personal Protection Section). Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Do not apply water to the leak. Water fog may be used to suppress vapors. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, not-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover by pumping (use an explosion proof or hand pump). Pump and free liquid into a closed but not sealed container to allow for the escape of any CO<sub>2</sub> that forms. Sealing the container may lead to rupture as any contaminated isocyanate reacts. Wash contaminated area with large amounts of water.

## Section 7. Handling and storage

#### Precautions for safe handling:

Use only in a well ventilated area. Avoid breathing vapors, fumes or mist. Avoid contact with eyes, skin and clothing. Material accumulates static charge (ignition source). Ground and bond containers with transferring material. Use spark-proof tools and explosion proof equipment. Always open container slowly to allow excess pressure to vent. After opening, purge container with nitrogen before reclosing. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

#### Conditions for safe storage, including any incompatibilities:

Keep away from heat, spark and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use. Storage under nitrogen atmosphere is recommended. Material reacts with water. Dike storage containers to contain 110% of tank volume. Vent indoor tanks to an outside location so escaping vapors will not contaminate any work area.

## Section 8. Exposure controls / personal protection

#### Control parameters

#### Occupational Exposure Limits:

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Components	ACGHI TLV-TWA	ACGHI-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Parachlorobenzotrifluoride	N.D.	N.D.	N.D.	N.D.
HDI homopolymer	N.D.	N.D.	N.D.	N.D.

## Personal Protection:

<b>Respiratory Protection:</b>	NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.
<b>Skin Protection:</b>	Wear impervious gloves to prevent contact with skin. Wear long sleeves when contact is likely to occur. Wear protective gear as needed – apron, suit, boots.
<b>Eye/face Protection:</b>	Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).
<b>Other Protective Equipment:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Hygienic Practices</b>	Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

## Section 9. Physical & Chemical Properties

<b>Appearance:</b>	Clear liquid
<b>Physical state:</b>	Liquid
<b>Odor:</b>	Typical
<b>Odor Threshold:</b>	Not Available
<b>Density, g/cm<sup>3</sup>:</b>	1.241
<b>pH:</b>	Not available
<b>Freeze Point, F°:</b>	Not available
<b>Viscosity”</b>	Not available
<b>Solubility in Water:</b>	Partial
<b>Explosive Limits, vol. %</b>	Not available
<b>Boiling Range, F°</b>	282 - 428
<b>Flash Point, F°</b>	120
<b>Evaporation rate:</b>	Not Available
<b>Auto-ignition Temp, F°</b>	Not Available
<b>Vapor pressure:</b>	Not Available
<b>Vapor density:</b>	Not Available
<b>Volatile Organic Compounds (VOCs) g/l</b>	0

## Section 10. Chemical stability & reactivity information

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**Chemical stability:** No Information

**Hazardous Polymerization:** No Information

**Conditions to avoid:** Avoid impact, friction, heat, sparks, flame and source of ignition. Avoid static discharge. Avoid humidity.

**Incompatible materials:** Avoid contact with moisture and/or water. Prevent contact with strong oxidizing agents. Keep away from strong bases. Avoid contact with amines. Keep away from acids. Avoid contact with alcohols.

**Hazardous decomposition products:** Toxic gases/fumes and given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. At decomposition temperature, chlorine gas may be emitted. Decomposition releases nitrogen oxides. May release hydrogen chloride under fire conditions. At decomposition temperature, fluorine gas may be emitted.

## Section 11. Toxicological information

### Information on toxicological effects

**Effects of Overexposure – Inhalation:** Harmful if inhaled. May be irritating to the respiratory system. Certain individuals will develop sensitization (chemical asthma) which will result in reactions at levels below the TLV. May cause dizziness and drowsiness.

**Effects of Overexposure - Skin Contact:** Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritatin and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

**Effects of Overexposure – Eye Contact:** Causes serious irritation to eyes. May cause tearing, redness and discomfort.

**Effects of Overexposure – Ingestion:** Irritating to mouth, throat, and stomach. Ingestion may cause gastrointestinal tract irritation. Overexposure may cause nausea, diarrhea, and/or vomiting.

**Effects of Overexposure – Chronic Hazards:** Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g., edema, proteinuria) and damage. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, skin, and/or eyes.

**Primary Route(s) of Entry:** Eye contact, Ingestion, Inhalation, Skin contact

**Acute Toxicity Values:** The acute effects of this product have not been tested. Data on individual components are tabulated below:

<b>Name according to EEC :</b>	<u>Cas Number</u>	<u>Oral LD50, mg/kg</u>	<u>Dermal LD50, mg/kg</u>	<u>Vapor LC50, mg/L</u>
Parachlorobenzotriflouride	98-56-6	6,800.0	> 2,700.0	33.08
HDI homopolymer	28182-81-2	>5,000	N.D.	N.D.

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## Section 12. Ecological information

### Toxicity

#### Acute toxicity

##### Fish

Product: Not available

Specified substances: Not available

##### Aquatic invertebrates

Product: Not available

#### Chronic toxicity

##### Fish

Product: Not available

##### Aquatic invertebrates

Product: Not available

##### Toxicity to aquatic plants

Product: Not available

Specified substances: Not available

### Persistence and degradability

#### Biodegradation

Product: Not available

Specified substances: Not available

#### Biological Oxygen Demand

Product: Not available

Specified substances: Not available

#### Chemical Oxygen Demand

Product: Not available

Specified substances: Not available

BOD/COD ratio: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Results of PBT and vPvB assessment: Not available

Other adverse effects: Not available

## Section 13. Disposal considerations

**Disposal methods:** Dispose of waste in accordance with all local, state and federal regulations.

## Section 14. Transport information

### DOT

#### Basic shipping requirements:

UN number: UN1866

Proper shipping name: Resin Solution

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**Hazard class:** Flammable Liquid  
**Labels required:** 3  
**Additional information:**  
**Packaging exceptions:** 150  
**Packaging non bulk:** 173  
**Packaging bulk:** 242

## IATA

**Basic shipping requirements:**  
**UN Number:** 1866  
**Proper shipping name:** Resin Solution  
**Hazard class:** 3  
**Packing group:** III

## Section 15. Regulatory information

### US federal regulations

**OSHA:** This product is hazardous according to OSHA 29 CFR 1910.1200

**SARA Title III Section 313 – Toxic Chemical: Listed Substance:** 11,6-Hexamethylene Diisocyanate, CAS 822-06-0

**SARA Title III Section 302 Extremely hazardous substances:** None

**SARA Title III Section 311/312 Hazard categories:** Immediate (acute) health hazard  
Delayed (chronic) health hazard  
Fire hazard  
Reactive hazard

### Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

### State Regulations

**California Proposition 65:** **Warning:** This product does not contain a chemical known to the State of California to cause cancer.  
**Warning:** This product does not contain a chemical known to the State of California to cause birth defects or other reproductive harm.

**Massachusetts RTK:** None

**New Jersey RTK:** None

**Pennsylvania RTK:** None

## Section 16. Other Information

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**Further information** HMIS® is a registered trade and service mark of the NPCA

**HMIS® ratings:** Health: 2  
Flammability: 2  
Reactivity: 1 – Minimal Hazard  
Personal Protection: Yes

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