

## MATERIAL SAFETY DATA SHEET

Trade Name: InstaCote CC PS 413, Isocyanate , Part "A"

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### **Section I – General Information:**

Item Name: InstaCote CC PS 413, Isocyanate , Part "A"

Manufactured by: INSTACOTE, INC.

160 C Lavoy Rd.

Erie, MI 48133

Phone (734) 847-5260 Fax (743) 847-9008

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Date MSDS Prepared: January 6, 2003

Last Review Date: May 21, 2012

MSDS Preparer's Name: Thomas J. Nachtman

Product Description: Prepolymerized Aliphatic Polyisocyanate

Multiple Parts (Yes/No) Yes

### **Section II – Hazardous Ingredient/Identity Information:**

Material	CAS Number	Weight %
Homopolymer of HDI	28182-81-2	>=95%
Hexamethylene-1,6-Diisocyanate	822-06-0	<=0.2%

Health-2 Fire-1 Reactivity-1 Special- None

Scale 4 = extreme, 3 = high, 2 = moderate, 1 = insignificant

### **Section III – Physical/Chemical Properties:**

Appearance:	<b>Clear Thick Liquid</b>	Color: Pale Yellow
Boiling Point:	382°F	pH: N/A
Specific Gravity:	1.140 @ 68°F	V.O.C.: 0.0 lbs./gal.
Vapor Pressure:	7.5X10 <sup>-5</sup> mm Hg@20°C	
Water Solubility:	Negligible	Odor: Negligible
Evaporation Rate:	NA	Decomp. Temp: 738°F

**Section IV – Fire and Explosion Hazard Data:**

Flash Point: 396°F, C.O.C.

Flammable Limits:

Upper: Not Established

Lower: Not Established

Extinguishing Media: Dry chemical, foam, CO<sub>2</sub> and water fog.  
Do not spray water into hot material; use water fog to cool surrounding fire.

Special Fire Fighting Precautions: Full face shield, self contained breathing apparatus with full protective gear.

**Section V – Reactivity Data:**

Stability (Y/N): Y

Hazardous Polymerization: May occur with contact with moisture at temperatures above 400°F.

Conditions to Avoid: High Temperatures

Materials to Avoid: Strong Acids or Strong Oxidizing Agents

Hazardous Decomposition Products: Oxides of Carbon And Nitrogen, Ammonia and trace amount Hydrogen Cyanide.

**Section VI – Health Hazard Data:**

Primary Routes of Exposure: Skin Contact, Ingestion and Inhalation

Skin Contact: Prolonged and repeated skin contact may cause irritation and burns. Sensitization is possible.

Ingestion: Ingestion of product will cause irritation of the mouth, pharynx, esophagus and stomach.

Inhalation: Breathing atomized vapors may cause headaches, nausea, irritation of the nose, throat and lungs.

Carcinogenicity: Not listed by NTP or IARC. Not regulated by OSHA.

**Section VII – Emergency First Aid:**

Eye Contact: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. Wash clothing prior to re-use.

Ingestion: Have individual drink 1-2 glasses of milk or water to dilute. Do not induce vomiting. Seek immediate medical assistance.

Inhalation: Move individual to fresh air. Consult a Physician. If breathing becomes labored, administer O<sub>2</sub>.

**Section VIII – Precautions for Safe Handling, Storage and Use:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build-up of heavy vapors.

Personal Protection Equipment: DO NOT WEAR CONTACT LENSES when working with this product. Wear chemical goggles/safety glasses with side shields and rubber/latex gloves. Selection of items such as boots and apron will depend on the experience of the operator. Respirators are not required with the use of this product alone. Refer to the MSDS of the related component for this product. Wear respirator protection whenever a mist is generated such as spray application. Spray application in confined spaces, closed rooms, or tanks are areas where mist generation will exceed TLV or TWA. Refer to OSHA CFR29 1910.134 for recommended respiratory protection.

Spills/Leaks: Ventilate area and eliminate all sources of ignition.  
Wear appropriate protective gear, contain spill, salvage, clean up residue with absorbent material.

Disposal Method: Dispose in accordance with federal, state and /or local regulations. Landfill if solid, incinerate at agency approved waste-disposal facility.

Storage and Handling: Store at temperatures between -30°F and 122°F, Shelf life under proper storage conditions is 6 months from date of receipt. Insure drum closure to be tight. Store product in a dry environment away from strong oxidizing agents. Protect product from extremes in temperatures.

Other Health Hazard Precautions: Never reuse an empty container due to residual chemical content.  
Decontaminate container prior to disposal. Do not heat, torch cut, weld or other wise apply extreme heat to the metal container. Residual chemical will decompose to produce harmful vapors.

### **Section IX – Transportation Information:**

Technical name: Polyisocyanate containing  
1, 6-Hexamethylene Diisocyanate

DOT: Not Regulated

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