MATERIAL SAFETY DATA SHEET

Trade Name: InstaCote HA 100, Part "A", Isocyanate

Section I – General Information:

Item Name: HA 100, Part "A", Isocyanate

Manufactured by: INSTACOTE, INC.
160 C Lavoy Rd.
Erie, MI 48133
Phone (734) 847-5260 Fax (743) 847-9008
Emergency Phone (800) 359-2783

Date MSDS Prepared: April 25, 2007
Last Review Date: February 28, 2011
MSDS Preparer's Name: Thomas Nachtman
Product Description: Prepolymerized Aliphatic Polyisocyanate
Multiple Parts (Yes/No) Yes

Section II – Hazardous Ingredient/Identity Information:

Ingredient	CAS #
Isophorone Diisocyante (IPDI)	4098-71-9
Isophorone Diisocyante Prepolymer	Not disclosed
1,3-Dioxolan-2-one, 4-Methyl	108-32-7

Health-4 Flammability-1 Physical Hazard-1

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

Section III – Physical/Chemical Properties:

Appearance:	Clear To Yellow Liquid
Boiling Point:	158°C (316°F)
Specific Gravity:	1.04 to 1.06 @ 74°F
Vapor Pressure:	0.02 hPa at 50°C (122° F)
Water Solubility:	Negligible
Thermal Decomposition:	approx. 260°C
Freezing Point:	-60°C (-76°F)
Odor:	Slightly Musty

Section IV – Fire and Explosion Hazard Data:

Flash Point: 155°C (311°F) din 51758:
Autoignition Temperature: 430°C (806°F)
Extinguishing Media: Use alcohol foam, dry chemical, CO_2 and water spray. Do not spray water directly into storage containers due to danger of boilover. Isophorone Diisocyanate reacts with water to form toxic and corrosive substances.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides.

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.

Section VII – Emergency First Aid:

Eye Contact: Flush eyes with a large amount of water for at least 20-30 minutes. Get immediate medical attention.

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

Ingestion: Have individual drink 1-2 cups of water and rinse out mouth. **Do not induce vomiting**. Seek immediate medical attention.

Inhalation: Move individual to fresh air. Get immediate medical attention. If breathing is labored, oxygen should be administered by qualified personnel.

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

Personal Protective Equipment for Routine Use:

Respiratory Protection: A NIOSHE/MSHA approved supplied air breathing apparatus is advised in the absence of proper environmental control.

Skin Protection: Wear chemical resistant gloves. Wear impervious clothing and foot wear.

Eye Protection: Safety goggles or glasses with side shields should always be worn.

Other: Applicator should wear a Tyvek suit or coveralls.

Work Practices: Do not eat drink or smoke while applying this product. Wash hands immediately upon leaving the work site. Treat this product with caution as you would any other chemical.

Spill/Release Procedures: Secure spill area and evacuate all nonessential personnel. Eliminate all sources for ignition. Put on protective gear. Dike or other wise limit spread of spilled material. Small spills can be treated with absorbent clay, earth sand or other material, shoveled into a DOT approved container and disposed of according to all local, state and Federal regulations. Large spills- Stop spill at source and prevent spilled material from entering sewers, water ways, drains ect. Notify authorities as required. Pump or vacuum spill and transfer into clean containers for recovery. Residual should be treated with absorbent clay, earth sand or other

material, shoveled into a DOT approved container and disposed of according to all local, state and Federal regulations.

Waste Disposal Procedure: maybe incinerated in accordance With local, state and Federal regulations. Incineration is the preferred method.

Storage and Handling: Store at temperatures between 55°F and 120°F, Shelf life under proper storage conditions is 6 months. Insure drum closure to be tight. Store product in a dry environment away from open flame, heat or other sources of ignition. 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.

End