MATERIAL SAFETY DATA SHEET

Trade Name: **InstaCote Recoat Primer**

Section I -General Information

Health	2
Flammability	3
Reactivity	1
Personal protection	H

Item Name: Recoat Primer

Manufacture: InstaCote, Inc.
160 C Lavoy Road
Erie, MI 48133
734-847-5260

Date MSDS Prepared: August 31, 2006
Last Review Date: August 31, 2006
MSDS Preparers Name/Address: prepared by manufacturer.
Product Description: MDI Type Isocyanate Blend .
Multiple Part Product (Y/N): N

Section II – Composition / Hazardous Ingredient / Identity Information

This document is prepared pursuant to the OSHA Hazard Communication Standard(29 CFR 1910.1200). where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components on this product are included in the EPA Toxic Control ACT (TSCA) Chemical Substance Inventory.

Proprietary (Y/N): Y

		Exposure Limits			Content
Ingredient	CAS #	(TLV	STEL	PEL)	
*4,4' Diphenylmethanediisocyanate	101-68-8	0.005ppm	0.02mg/m3	0.005ppm	40-70%
N-methylpyrolidone	872-50-4	100ppm	N/A	100ppm	15%
Proprietary Ingredients					Balance

California Proposition 65 ingredients

*Methyl Benzene	(Toluene)	108-88-3				15%

*Product is listed or hazardous according to one or more state Right to Know (SARA III) section 313 federal Toxic Chemical release Inventory, or Toxic Substance Control Act Laws.

Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency planning and Community Right to Know Act of 1986 (40 CFR 372)

*4,4' Diphenylmethanediisocyanate		101-68-8	0.005ppm	0.02mg/m3	0.005ppm	40-70%
*Methyl Benzene	(Toluene)	108-88-3				15%

Section III Physical/Chemical Characteristics

Appearance and Odor: Clear, amber color thick liquid with faint odor
Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: >air
Specific Gravity: 1.08 @ 20°C
Evaporation Rate: No data
Solubility (H_2O): reacts with water
Odor: sweet aromatic solvent odor (toluene)
Percent volatile: 30.0%
pH: N/A

Section IV - Fire and Explosion Hazard Data-HMIS Hazard Rating 3

Flash Point: 48°F (toluene) Method: Tag C.C.
Lower Explosive Limit: 1.2% (solvent)
Upper Explosive Limit: 7.1% (solvent)
Extinguishing Media/Methods: Use dry chemical, CO_2, water fog.
Special Fire Fighting Precautions: Full-face shield, self-contained breathing apparatus with full protective gear. NIOSH/MSHA
Unusual Fire/Explosive Hazards: Move containers from area if it can be done without risk. Cool fire exposed containers with water from side. As in any fire, wear NIOSH/MSHA approved, pressure demand self contained breathing apparatus and full protective gear. Water contaminated, sealed containers may rupture.

Section V - Reactivity Data- HMIS HAZARD RATING No. 1

Stable (Y/N): Y
Conditions to Avoid: Strong acids.
Materials to Avoid: Product may react violently with water, alcohol, amines, acids, and bases. Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen decomposition products may be toxic.
Hazardous Polymerization: May occur
Other Reactivity Data: Hazardous polymerization may occur. Avoid contamination with moisture. Contact with certain rubbers and plastics may cause hardening and loss of strength due to imbrittlement.

Section VI - Health Hazard Data- HMIS RATING No. 2

Primary Routes of Entry: Eye and skin contact breathing and ingestion.
Inhalation (Y/N): Y Vapors can be irritating to nose and mucous membranes. Exposures may result in tightness or burning in chest, coughing, headache and fatigue. Some

evidence indicates that exposures below TLV may induce a respiratory sensitization after repeated exposure.

Skin (Y/N):Y, Contact to skin may cause moderate irritation. Some evidence indicates that certain individuals with exposure to skin contact may induce allergic type symptoms causing rash, itching , and hives.

Ingestion (Y/N):N, Not expected to be a relevant route of exposure although it can digestive tract and gastrointestinal tract irritation. May cause permanent mouth and stomach damage.

Eyes: Y, Acute vapor exposures may temporarily cause hazy or blurred Vision, sever irritation and redness.

Chronic: One scientific study of workers reported that exposure to isocyanate type chemicals resulted in larger declines in lung function compared to other workers. Materials are not known mutagenic, teratogenic, or reproductive health hazards.

First Aid Procedures:

Gross Inhalation: Move victim to fresh air environment. First administer oxygen, if available. Seek immediate medical attention.

Gross Ingestion: DO NOT INDUCE VOMITING. Seek medical attention ASAP. If vomiting occurs spontaneously keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to a unconscious person.

Skin Contact - Wash affected areas with soap and water. Wash soiled clothing before reuse.

Severe Eye Contact - Flush eyes with water for 15 minutes lifting upper and lower eye lids thoughout. Seek medical attention.

Section VII - Precautions for Safe Handling and Use/ Personal Protection:

Personal Protective Equipment (Routine Use):

Respiratory Protection: Airborne concentrations of chemical should be maintained as low as possible. If vapors or mists are formed, use NIOSH/MSHA approved air-supplied respirator or approved fume respirator selected by a technically qualified person for the specific work conditions to prevent overexposure. Confined spaces, room, or tanks are areas where concern for TLV's is especially important. Refer to OSHA regulation CFR 29 1910.143 for recommended respiratory protection.

Gloves: Recommend latex, butyl rubber, or nitrile gloves.

Eye Protection: Safety goggles or glasses with side shields or face shield. Do not wear contact lenses.

Other: Recommend Tyvek suits or coveralls.

Work Practices: This product is to be used in a ventilated environments air movement must turnover at all work locations. Exposures to hazardous components are not expected to exceed permissible limits during routine daily use.

Ventilation: If vapors or mists are generated, local exhaust ventilation is recommended. Air movement must be designed to insure air turnover at all locations in the work area to avoid buildup of heavy vapors.
Spill/Release Procedures: For major spills, call CHEMTREC 1-800-424-9300. Ventilate area, avoid breathing vapors. Use air supplied respiratory protection and full protective clothing to clean large spills or spills in confined areas. Contain spill, and prevent entry into sewers and waterways. Test atmosphere for MDI vapor level. Spills may be reportable to authorities.
Neutralization Procedures: Use 0.2-0.5% liquid detergent mixed with 3-8% ammonium Hydroxide (or 5-10% sodium carbonate) in water. Use 10 parts of solution for one part of spill material. Allow 30 minutes to deactivate before placing spilled material into drums. Do not mix with any other waste material. Waste Disposal Procedures: This material is not a listed hazardous waste, nor does it exhibit any hazardous waste characteristic.
Storage/Handling Procedures: Store product in a dry environment, away from strong bases oxidizers. Keep moisture out of drums. Do not place in contact with copper metal, copper alloys or zinc coated metals. Purge headspace in partially used container with dry nitrogen gas.

Section VIII Ecological / Disposal, spill information and other considerations:

Marine Pollutant: NL (not listed)
Handle disposal of waste manner in which complies with all applicable local, state, and federal regulations.
Accidental release: Avoid contact with skin of eyes. Ventilate the area, eliminate all ignition sources. Wear appropriate protective gear, contain spill or leak, salvage, and clean up residue with absorbent material. This product is heavier than and insoluble in water. Wash down with areas using soap solution and allow 30 minutes to react.
Average Shelf life: Refer to Product DATA sheet
Special instructions : Store in a cool place.

Section IX – Transportation Information/ regulatory Information:

DOT proper shipping Name/Bill of lading description: Flammable liquid, N.O.S., (Toluene)
DOT I.D. Number UN 1993, Label(s) Flammable
DOT Hazard Class 3 PG II

OSHA Hazard communication Standard: (29 CFR 1910.1200)	Hazardous
CERCLA/Superfund (40 CFR 117,302):	N/A
SARA Extremely Hazardous Substances: (40 CFR 355)	N/A
Sara Hazard Categories (40 CFR 370):	Health – Immediate Physical – Delayed
SARA Toxic Chemicals (40 372):	See section 313 advisory in section II

Inventory Status	The chemicals in this product are listed on the US TSCA Chemical substance Inventory and the Canadian substances lists.

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