MATERIAL SAFETY DATA SHEET

Trade Name: InstaCote IC-800, Part "A", Isocyanate

Section I -General Information

Item Name: IC-800 "A" Isocyanate

Manufacture: **InstaCote, Inc.**
160 C Lavoy Road
Erie, MI 48133

Date MSDS Prepared: December 6. 1995
Last Review Date: November 28, 2006
MSDS Preparer's Name: Thomas J. Nachtman
Product Description: MDI Isocyanate Blend.
Multiple Parts Product (Y/N): Y

Section II – Hazardous Ingredient/Identity Information

This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Proprietary (Y/N): Y

Ingredient	CAS #	%	Exposure Limits (TWA)
4, 4'-Diphenylmethane Di-isocyanate	101-68-8	26	0.02 ppm Ceiling limit, OSHA 0.005 ppm ACGIH TLV, TWA
Reaction product of polyol with Methylenediphenyldiisocycante not disclosed 30 - 50	39420-98-9		
Modified MDI not disclosed 16 – 30	5873-54-1		
Propylene Carbonate	108-32-7	<5	

Section III Physical/Chemical Characteristics

Appearance and Odor: Clear, amber color thick liquid with faint odor
Boiling Point: >300ºC decomposes
Melting Point: Not applicable
Vapor Pressure: 0.001 mm Hg @ 130°F
Vapor Density: No Data
Specific Gravity: 1.12 @ 72°F
Evaporation Rate: No data
Viscosity: 1300 cP (Brookfield #2 spindle @ 12 rpm@72°F)
pH: Not applicable

Section IV - Fire and Explosion Hazard Data

Flash Point: >200°F, P.M.C.C.
Lower Explosive Limit: Not Determined
Upper Explosive Limit: Not Determined

Section IV - Fire and Explosion Hazard Data (Cont)

Extinguishing Media/Methods: Small Fire use dry chemical powder. Large Fire use water spray, fog or foam. Do not use water jet. Reaction with water at elevated temperatures may be violent. Runoff water must be retained.

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

Unusual Fire/Explosive Hazards: Isocyanate and water combined react to produce carbon dioxide. Contaminated, sealed containers may rupture.

Section V - Reactivity Data

Stable (Y/N): Y

Conditions to Avoid: High temperatures. Stable under recommended storage conditions.

Materials to Avoid: Product may react violently with water, alcohol, amines, acids, bases. metal compounds and surface active materials.

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen, ammonia and trace amounts of Hydrogen Cyanide.

Hazardous Polymerization: Will not occur

Section VI - Health Hazard Data

Routes of Entry

Inhalation (Y/N): Y, May cause respiratory tract irritation (pulmonary edema, nasal discharge, coughing, chest pain. This product may cause Respiratory sensitization, in which, after repeated exposures above the occupational exposure limit, hyper-reactive responses may occur in sensitized individuals following minimal doses.

Skin (Y/N): Y, Product exhibits skin sensitization. Some evidence indicates that skin contact may induce a respiratory sensitization reaction.

Ingestion (Y/N): Y, May cause digestive tract and gastrointestinal tract irritation. Systemic ingestion effects are practically non-toxic.

Other: Y, Acute vapor exposures may temporarily cause hazy or blurred vision.

Contact Eye/Skin Hazards: Y, Product is a mild eye and skin contact irritant.

Carcinogenicity Data: No human or animal carcinogenic data is available.

IARC Monographs on the Evaluation of the Carcinogenic: None

First Aid Procedures:

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

Gross Ingestion: If victim is conscious, give at least two glasses of water. DO NOT INDUCE VOMITING. Seek medical assistance.

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

Severe Eye Contact - Flush eyes with water for 15 minutes. Seek medical attention.

Section VII - Precautions for Safe Handling and Use

Personal Protective Equipment (Routine Use):

Respiratory Protection : Airborne concentrations of chemical should be maintained as low as possible. Use general and/or local exhaust to control below the exposure guidelines. If vapors or mists are formed, use NIOSH/MSHA approved air supplied respirator to prevent overexposure. Refer to SSPC-TU 8 in processing work.

Gloves: Recommend butyl rubber, or nitrile gloves.

Eye Protection: Safety goggles or glasses with face shield are recommended.

Other: Recommend Tyvek suits or coveralls.

Work Practices: This product may be used in indoor or outdoor environments. 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.

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. Vent drums after use in empty drums.

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 and oxidizers. Do not place in contact with copper metal, copper alloys or zinc coated metals. Purge headspace in partially use container with dry nitrogen gas. After decon solution added to empty drums do not close drum keep one bung open to vent any gas. Decon agent will release gas and pressurize a closed drum if not vented.

Keep material dry and in warm warehouse do not freeze and keep temperature between 60º - 100º F.

Section VIII – Regulatory Information

This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

HCS Classification Toxic material
Irritating material
Sensitizing material

TSCA 8(b) Inventory: All Ingredients Listed

SARA Title III Section 313 (40CFR Part 372): EPCRA 313 (40CFR 372)
Diisocycanate Compounds (Category Code N120) 26%

EPCRA Section 313 (40CFR 372) CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): 4,4iMethylene diphenyl diisocycante(CAS 101-68-8) has a 5000 lb. RQ (reportable quantity). Any spill or release above the RQ must be reported to the National Response Center (800-424-8802).

California Prop. 65: No ingredients listed

Section IX-Transportation Information:

Bill of Lading description: Plastics, Liquid, NOI, (ISOCYANATE BLENDS), Non-Hazardous

Section X - Other

Health	2
Fire	1
Reactivity	1

Causes damage to the following organs: lung, respiratory tract, skin, eyes. May be harmful if inhaled. May cause respiratory tract, eye and skin irritation. May cause allergic respiratory and skin reaction.