



MATERIAL SAFETY DATA SHEET

Product Name: ICYNENE MD-R-210™

Section 1: Chemical, Product and Company Information

Product Name: ICYNENE MD-R-210™
ICYNENE MD-R-210™ is a trademark of Icnene Inc.

Product Use: SPRAY-ON CELLULAR PLASTIC INSULATION

Product Code: Not Applicable

Revision Date: March 11, 2013

Section 2: Ingredient Information

<u>Ingredients</u>	<u>Cas No:</u>	<u>Wt. %:</u>
Polyurethane Foam Reaction product of pMDI and Icnene MD-R-210™	Not Applicable	100%
NOTE: This polyurethane foam does not contain any ozone destroying or global warming refrigerants such as CFC's, HCFC's, or HFA's.		

Section 3: PHYSICAL DATA

Appearance: Semi-rigid cellular foam of creamy colour.

Solubility In Water: Insoluble.

Density: 2.0 lbs./cubic foot

Odour: None

Emissions: Safe for occupancy after 24 hrs, no emissions detectable after 30 days.

Section 4: FIRE & EXPLOSION HAZARD DATA

Flammability: Combustion occurs at 400°F (material will not sustain combustion on its own)

Flame Spread: Less than 25

Smoke Developed: Less than 450

Method Used: ASTM E84

Melting: Does not melt

Flammable Limits: LFL: - not determined
UFL: - not determined

Extinguishing Media: Water, carbon dioxide, dry chemical or foam.

MATERIAL SAFETY DATA SHEET

Product Name: ICYNENE MD-R-210™

Fire & Explosion Hazards: Prevent breathing of combustion fumes (smoke)

Fire Fighting Equipment: Firefighters must wear a self-contained breathing apparatus to avoid breathing smoke generated by combustion.

Section 5: REACTIVITY DATA

Stability: Stable under all normal conditions

Incompatibility: Compatible with all products

Section 6: ENVIRONMENTAL & DISPOSAL INFORMATION

Disposal Method: Follow all federal, provincial, state and local regulations.

Section 7: HEALTH HAZARD DATA

Detectable Emissions: No detectable emissions

Systemic & Other Effects: Not available

Ingestion: The consequences of ingestion of large amounts are unknown

Dust Inhalation: May cause mechanical irritation to the respiratory system

Eye Protection: Use glasses when cutting foam

Skin Protection: Dust from foam cutting may cause irritation

Section 8: FIRST AID

Ingestion: Medical advice should be obtained

Inhalation: Remove to fresh air, consult a physician

Eye Contact: Flush with water to remove particles

Skin Contact: No special precautions required

Section 9: ADDITIONAL INFORMATION

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY EXPRESS OR IMPLIED, IS MADE. CONTACT ICYNENE INC. FOR FURTHER INFORMATION.

Section 10: PREPARATION INFORMATION:

Prepared by: Stephanie Holborne

Title: R&D Chemist

Telephone: 1-800-758-7325

Date of Preparation: March 11, 2013

MATERIAL SAFETY DATA SHEET

Product Name: ICYNENE MD-R-210™

HEALTH AND SAFETY STATEMENT FOR CERTIFIED ICYNENE SPRAYERS

Icynene products have an excellent health and safety record spanning more than 350,000 insulation projects over more than 25 years. Nonetheless, safe handling practices during and immediately following installation are required to eliminate the possibility of health effects from exposure to isocyanates. Asthma, other lung problems, and irritation of the nose and throat can result from inhalation of isocyanates. Direct contact with the skin and eyes can result in irritation. Different individuals will react differently to the same exposures; some will be more sensitive than others. Severe asthma attacks have been reported in some sensitized workers exposed repeatedly to isocyanates while not wearing proper protective equipment. Some reports indicate a reaction and sensitization can occur following a single, sustained occupational exposure to isocyanates without proper protective equipment above the OSHA permissible exposure limit. But sensitization might not occur immediately in some individuals. Consistent use of personal proper protective equipment to prevent exposure during spraying and within the 24 hour-period after spraying is completed is critical to eliminating the health hazard. Once sensitization has occurred, a worker might not be able work safely with spray foam insulation again.

Sprayers, sprayer helpers, and anyone else present during spraying or within 24 hours after spraying is complete: You must wear proper Personal Protective Equipment (PPE) at all times during spray, including full-body-coverage, chemical-protective clothing and a NIOSH-certified respirator with fresh air supply. While spraying and for 24 hours after spraying is completed, no one must be allowed within 50 feet of the sprayed foam without wearing this type of PPE at all times. Adequate active, negative pressure ventilation (exhaust fans) of the job site must be in place during spray and for 24 hours after spray is complete.

Independent studies indicate that with 24 hours' active ventilation after spraying is completed, Icynene spray foam insulation is safely cured.

