



## MATERIAL SAFETY DATA SHEET

**Product Name: ICYNENE LD-C-50™**  
**Also known as The Icynene Insulation System®:**  
**Gold Seal® and Base Seal®**

**MSDS (F) Spray ICYNENE LD-C-50™**

### Section 1: Chemical, Product and Company Information

**Product Name:** ICYNENE LD-C-50® Polyurethane Foam  
Also known as The Icynene Insulation System®  
ICYNENE LD-C-50™ is a trademark of Icynene Inc. The Icynene Insulation System®, Gold Seal® and Base Seal® are registered trademarks of Icynene Inc.

**Product Use:** **SPRAY-ON CELLULAR PLASTIC INSULATION**

**Product Code:** **Not Applicable**

### Section 2: Ingredient Information

<u>Ingredient</u>	<u>CAS No:</u>	<u>Wt. %:</u>
Polyurethane Foam		100

### Section 3: PHYSICAL DATA

**Appearance:** Cream coloured cellular foam of "angel food cake" consistency and appearance (may become yellow to light brown if exposed to sunlight for extended period of time).

**Solubility In Water:** Insoluble.

**Density:** 0.5 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.

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

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**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:** Material is completely inert and will not cause physiological harm when exposed to skin, accidentally ingested or through inhalation. VOC and toxicological tests indicate no detectable vapors 24 hours after installation.

**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:**

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**Telephone:** 1-800-758-7325

**Date of Preparation:** Jan 17, 2013

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## 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.

