



# Material Safety Data Sheet

## EMERGENCY CONTACTS

Spills, leaks, fire or exposure call CHEMTREC: (800) 424-9300

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PremiCote™ 87

Product Use: Acrylic Roof Coating

Company: Premium Spray Products  
1255 Kennestone Circle # 200  
Marietta, GA 30066  
(770) 528-9556

HMIS® Rating:

<b>Health</b>	<b>2</b>
Flammability	1
Reactivity	1
Protection	X

0= Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

## SECTION 2 – COMPOSITION / INFORMATION OF INGREDIENTS

Reportable Components	CAS Number	Weight Percent
Propylene carbonate	108-32-7	13 - 30
Diphenylmethane 4,4'- diisocyanate	101-68-8	7 - 13
Diphenylmethanediisocyanate, isomers and homologues	9016-87-9	7 - 13

## SECTION 3 – HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Health Hazards: Harmful by inhalation. Irritating to eyes and respiratory system. May cause sensitization by inhalation and skin contact. This product is a respiratory irritant and potential respiratory sensitizer: repeated inhalation of vapour or aerosol at levels above the occupational exposure limit could cause respiratory sensitisation. A hyper-reactive response to even minimal concentrations of diisocyanates may develop in sensitised persons. The onset of the respiratory symptoms may be delayed for several hours after exposure. Reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures. Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Do not breathe vapor or mist. Do not get on skin or clothing. Avoid contact with eyes. Contains material that can cause target organ damage. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

Appearance: Viscous Liquid

Odor: Ammonia odor.

## SECTION 4 – FIRST AID MEASURES

General: In case of accident or if you feel unwell, seek medical advice IMMEDIATELY. (Show the product label where possible)

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately. Treatment is symptomatic for primary irritation or bronchospasm. If breathing is laboured, oxygen should be administered by qualified personnel.

Skin Contact: Remove contaminated clothing. After contact with skin, wash immediately with plenty of warm soapy water. Get medical attention if irritation develops. Wash clothing before reuse. Clean shoes thoroughly before reuse. Contaminated clothing should be thoroughly cleaned before reuse.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion: Wash out mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.

Note to Physicians: Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

---

## SECTION 5 – FIRE-FIGHTING MEASURES

---

Extinguishing Media: Use foam, dry chemical, CO<sub>2</sub>, or water.

Fire Fighting Procedures: As appropriate for surrounding materials/equipment. If electrical equipment is involved, the use of foam should be avoided. No unusual fire or explosion hazards.

Fire Fighting Protective Equipment: Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires.

Flash Point: Closed cup: >110°C (>230°F)

Flammable Limits in Air by Volume - (Lower): N/A (Upper): N/A

---

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

---

For major spills call CHEMTREC (800-424-9300).

Spills, Leaks, or Releases: Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand, and place in a closed container. In case of large spill, dike the area to prevent this material from entering water systems or sewers. (See Section 12: Disposal Considerations)

---

## SECTION 7 – HANDLING AND STORAGE

---

Handling: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. (See Section 8 Exposure Control for details)

Storage Requirements: Keep container tightly closed. Keep away from moisture. Due to reaction with water producing CO<sub>2</sub>-gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed. Keep containers properly sealed and when stored indoors, in a well-ventilated area.

Storage Temperature: Avoid storage above 100 °F. Do not freeze.

---

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### PREVENTATIVE MEASURES:

Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

Work/Hygienic Practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work, using plenty of soap and water. Open containers of food and beverage should be kept away from areas where the product is used or stored. Eating, drinking, smoking and application of cosmetics should be prohibited in areas where the product is being used.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s). General ventilation is recommended. Additional local exhaust ventilation is recommended where vapors, mists, or aerosols may be released. For guidance on engineering control measures refer to publications such as the ACGIH current edition of "Industrial Ventilation, a manual of Recommended Practice."

### PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Skin Protection: Wear chemical resistant gloves. Wear protective clothing to prevent skin contact. Keep exposed skin area to a minimum. Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH.

Respiratory Protection: This product has demonstrated no observable effects at room temperature; however, it is highly recommended that an air-purifying respirator with organic filter cartridges be worn. In addition, in any interior, confined space, spray application, a supplied air source must be provided. When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied-air respirator may be required. Air purifying respirators equipped with organic vapor cartridges and a HEPA (P100) particulate filter may be used under certain conditions when a cartridge change-out schedule has been developed in accordance with the OSHA preparatory protection standard (29 CFR. 1910.134).

### Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in the Work area.

---

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

---

Appearance: Viscous liquid  
Odor: Ammonia  
Flash Point: Closed cup: >110°C (>230°F)  
Vapor Density (Air=1): N/A  
Boiling Point: >300°C decomposes  
Solubility (Water): Soluble but will create CO<sub>2</sub>  
VOC: NA  
Specific Gravity (H<sub>2</sub>O=1): 1.38  
Evaporation Rate: Slower than Ether

---

## SECTION 10 – STABILITY AND REACTIVITY

---

Chemical Stability: This is a stable product and is stable at room temperature. Reaction with water (moisture) produces CO<sub>2</sub>-gas. The reaction becomes progressively more vigorous and can be violent at higher temperatures if the miscibility of the reaction partners is good or is supported by stirring or by the presence of solvents.

Conditions to Avoid: extreme temperatures

Incompatibility with other Substances: water, alcohols, amines, bases, and acids

Hazardous Polymerization: Polymerization may occur at elevated temperatures in the presence of alkalis, tertiary amines and metal compounds.

---

## SECTION 11 – TOXICOLOGICAL INFORMATION

---

POTENTIAL HEALTH EFFECTS: May aggravate pre-existing respiratory and skin disorders.

Inhalation: Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may cause overexposure symptoms, such as headache, nausea, and irritation of nose and throat.

Skin Contact: Exposure causes skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking. Skin adsorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Eye Contact: Exposure to liquid or vapor causes eye irritation. Symptoms may include stinging, tearing, redness and swelling.

Ingestion: Swallowing small amounts of this product during normal use, is not likely to cause any adverse health effects. Ingestion of larger amounts can result in corrosive action in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

Carcinogenicity: The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.

---

## SECTION 12 – DISPOSAL CONSIDERATIONS

---

Liquid waste must be disposed of in accordance with Federal, State and local regulations. Incineration is the preferred method. In its cured (solid) form, this product is considered non-hazardous, and can usually be land filled. For further information contact your state or local solid waste agency or the United States Environmental Protection Agency's RCRA Hotline (1-800-434-9300). Chemical waste, even small quantities should never be poured down drains, sewers or waterways. Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

---

## SECTION 13 – TRANSPORT INFORMATION

---

DOT: Not Regulated

Transportation Emergency Telephone Number: 1-800-424-9300 (CHEMTREC)

---

## SECTION 14 – OTHER INFORMATION

---

TSCA (Toxic Substances Control Act) Regulations: This material or its components are listed on the TSCA Chemical Substance Inventory and is in compliance with all applicable rules and orders. One or more of the components may be exempt from listing on the TSCA Inventory.

### SARA 313

#### Form R – Reporting requirements

Diphenylmethane 4,4'- diisocyanate

101-68-8 7 - 13

Methylenediphenyldiisocyanate, isomers and homologues

9016-87-9 7 – 13

#### Product name CAS number Concentration

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**California Prop 65**      No ingredients listed.

CANADA

**WHMIS (Canada)**

WHMIS Class D-1A: Material causing immediate and serious toxic effects (Very toxic).

WHMIS Class D-2A: Material causing other toxic effects (Very toxic).

WHMIS Class D-2B: Material causing other toxic effects (Toxic).

**CEPA (DSL):** All components are listed or exempted.

Glossary:      ACGIH- American Conference of Governmental Industrial Hygienist  
IARC- International Agency for Research on Cancer  
MSHA- Mine Safety and Health Administration  
NIOSH- National Institute for Occupational Safety and Health  
NTP- National Toxicology Program  
OSHA- Occupational Safety and Health Administration

For Professional Use Only

For Your Protection: Premium Spray Products warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTY, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS OR THE USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. THE USER SHOULD CONDUCT SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. Liability of Premium spray Products for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with proper shipping, handling, and storage procedures, and comply with all applicable safety and environmental standards. Toxicity and risk characteristics of chemical compounds and other products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.

---

End of Data Sheet