

# MATERIAL SAFETY DATA SHEET

## Paints & Coatings

### Section 1 – Product Information

Date of Preparation: February 15, 2001

**Manufacturer:** Clearstar Coatings Corp.  
811 Palm Blvd.  
Isle of Palms, SC 29451  
USA  
1-843-886-0094  
1-843-886-3701 (FAX)

**Emergency Telephone:** For transportation emergencies call –  
1-800-424-9300 Domestic  
1-703-527-3887 International

**Product Code:** CLEARSHIELD High Performance Gloss Clear CANVAS VERSION

### Section II – Hazardous Ingredients

Hazardous Ingredient	% by Weight	CAS No.	Vapor Press.	ACGIH TLV	OSHA PEL	LD50 Oral	LD50 Derm.	LC50 Inhal.	LEL @ 25 C
1-Methyl-2-Pyrrolidinone	1-5	872-50-4	.29	100ppm	n.av.	4200	8000	n.av.	no data
Dipropylene Glycol	1-5	034590-94-8	n.ap.	n.av.	n.av.	3300	n.av.	n.av.	n.ap.
Monomethyl Ether									

### Section III – Physical Data

**Evaporation Rate:** Slower than ether  
**Vapor Density:** Not determined  
**Boiling Range:** 212 - 380° F  
**Weight per Gallon (density):** 8.6 (1.03)  
**Percent Volatile by Volume:** 70  
**Odor and Appearance:** Ammoniacal, milky liquid  
**Freezing Point:** Approximately 32° F  
**Odor Threshold, pH, Coefficient of water/oil distribution:**  
Not available.

### Section IV – Fire or Explosion Hazard

**Flash Point (SFCC):** > 100° C (212° F)  
**Lower Explosive Limit:** No Data  
**NFPA flammability:** No Data  
**Extinguishing Media:** Foam, carbon dioxide, dry chemicals.  
**Unusual Fire & Explosion Hazards:** Closed containers may burst (due to build up of steam pressure) when exposed to extreme heat. Burning produces smoke containing hazardous products of combustion. Symptoms may not be immediately apparent. Seek medical attention.  
**Special Fire Fighting Procedures:** To prevent pressure build up, water should be used to cool containers exposed to fire. Firefighters should wear self-contained breathing apparatus.

### Section V – Reactivity Data

**Stability:** Stable  
**Incompatibility:** None reasonably foreseeable.  
**Hazardous Decomposition Products:** Oxides of nitrogen and carbon.  
**Hazardous Polymerization:** Will not occur.  
**Conditions to avoid:** Heat, open flames, sparks.

### Section VI – Toxicological Properties

**Threshold Limit Value:** None established.  
**Cancer Risks:** No ingredients in these products

Are known to NTP, IARC, ACGIH or OSHA to be Carcinogenic.

### Exposure effects:

**Inhalation:** (Acute) Nasal & respiratory irritation. (Chronic) None.  
**Skin Contact:** (Acute) Mild skin irritation, dryness and discomfort. Can be absorbed causing drowsiness. (Chronic) None.  
**Eye Contact:** (Acute) Mild irritation, redness, discomforts. (Chronic) Conjunctivitis or corneal damage.  
**Other Chronic Health Effects:** Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure may cause liver or kidney conditions.

### Section VII – Preventive Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Dike to reduce extent of spill.  
**Waste Disposal Method:** Dispose of in accordance with federal, state and local pollution requirements.  
**Respiratory Protection:** Adequate ventilation. Provide sufficient ventilation to keep vapor concentration below the TLV and/or PEL.  
**Protective Gloves:** Required for prolonged and repeated contact. Refer to safety equipment supplier for effective glove recommendations.  
**Eye Protection:** Use safety eyewear designed to protect against splash of liquids.  
**Other Protective Equipment:** Eye bath and shower should be available.  
**Hygienic Practices:** Wash hands before eating, smoking or using the washroom. Launder clothing before reuse.  
**Precautions To Be Taken In Handling And Storing:** Store containers out of sun and away from heat. Close containers after each use.  
**Other Precautions:** Do not take internally. Observe label precautions. The information contained in this

safety data sheet does not constitute the user's own assessment of workplace risks as required by regulations.

#### **Section VIII – First Aid Measures**

**Emergency and First Aid Procedures:** In all cases if symptoms persist, seek medical attention.

**Inhalation:** Move to fresh air, give artificial respiration if necessary. If breathing is difficult, give oxygen.

**Skin Contact:** Remove contaminated clothing, wash with soap and water or recognized skin cleaner. Do not use solvents or thinners.

**Eye Contact:** Contact Lenses must be removed, flush with water for at least 15 minutes, consult physician.

**Ingestion:** Drink one or two glasses of water to dilute. Do not induce vomiting. Call physician, treat symptomatically.

**Medical Conditions Prone to Aggravation:**  
Pulmonary conditions, skin disorders.

#### **Section IX – Transportation Information**

**DOT:** Water based paint, Non-Regulated  
Keep from freezing.

#### **Section X – Regulatory Information**

US Federal Regulations

1-Methyl-2-Pyrrolidinone is subject to the requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (EPCRA). You may be required to submit this MSDS to state and local emergency response agencies and to your local fire department.

#### **Other Information**

Clearstar Coatings Corporation believes that the data contained herein is accurate and derived from qualified sources. The data is not to be taken as a warranty or representation for which Clearstar Coatings Corporation assumes legal responsibility. It is offered solely for your consideration, investigation, and verification. Any use of this data and information should be determined by the end user in accordance with Federal, State and local laws and regulations.