

Material Safety Data Sheet (MSDS)
NPCA 1-84 for Coatings, Resins, and Related Materials
Replaces NPCA 1-82

Esgard, Inc.
515 Debonnaire Road
Scott, LA 70583

Emergency: (800) 424-9300
Information: (337) 234-6327

Date of Preparation: 08/20/2010

Section I: Product Identification

Product Name: PermaGard 203 (All Season Epoxy) – Part B MIL-PRF-23236(B)
Product Class: Paint, Flammable Liquid, UN 1263
Chemical Name: Hydrocarbon Complex

Section II: Hazardous Ingredients

Ingredient	%	Occupational Exposure Limits		Vapor Pressure
		TLV	PEL	
Acetic Acid, Ester with C6 Oxo-Alcohol Branched (CAS#88230-35-7)	0.83	50 PPM	50 PPM	1.0 MMHg @ 68°F (20°C)
Hi-Sol 10 (CAS# 64742-95-6)	15.76	100 PPM	100 PPM	5.1 MMHg @ 68°F (20°C)

Section III: Physical Data

Weight / Gallon: 11.84 Lbs. **Boiling Range:** 280°F(138°C) - 284°F(140°C)
Evaporation Rate: Slower than ether **Volatile by Volume:** 28.39%
Vapor Density: Heavier than air **Stability:** Stable

Section IV: Fire & Explosion

Flammability Classification: DOT – Paint, flammable liquid, UN 1263
Flash Point: 125°F (52°C)
LEL: 1.07
HMIS Ratings: Health 2, Flammability 3, Reactivity 0, Special NDA
NFPA Ratings: Health 2, Flammability 3, Reactivity 0, Other NDA
(Least: 0, Slight: 1, Moderate: 2, Serious: 3, Extreme: 4)
Special Fire Fighting Procedures: Fight as a volatile liquid fire. Use water to keep fire-exposed containers cool to reduce pressure.
Unusual Fire and Explosion Hazards: Keep away from heat, sparks, and open flames.
Extinguishing Agent: Foam, CO₂, dry chemical

Section V: Health Hazard Data

Chronic Effects Of Over Exposure

Acute Inhalation: May cause dizziness, headaches, nausea, and possible narcosis.
Skin Contact: May cause irritation, sensitization, defatting of the skin and dermatitis.
Eye Contact: May cause severe irritation.
Ingestion: May cause internal irritation.
Condition Aggravated By Exposure: Allergies, skin eczema, respiratory diseases.

Emergency First Aid Procedures

Eyes: Flush eyes thoroughly for 15 minutes with water. Seek medical aid.
Skin Contact: Flush skin thoroughly with water. Remove contaminated clothing.
Inhalation: Remove victim to uncontaminated area. If breathing is irregular or stopped, provide oxygen or resuscitation.
Ingestion: Do not induce vomiting. Seek immediate medical aid.

Section VI: Reactivity Data

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Decomposition Products:	None known.
Released in Combustion:	Smoke, fumes, carbon dioxide, and carbon monoxide.
Conditions To Avoid:	Heat, sparks, and open flames.
Incompatibility:	Avoid strong oxidizing agents.

Section VII: Spill or Leak Procedure

Clean Up Procedure:	Remove any source of ignition and provide ventilation, large spills may be scooped up with non-sparking tools. Provide respiratory protection if required. Small quantities may be handled with absorbent material. Contain spills with dikes as necessary.
Waste Disposal:	Store in closed containers. Dispose of material in accordance with local, state, and federal regulations.

Section VIII: Special Protection Information

Ventilation Required:	Must be sufficient to maintain the vapor concentration below the TLV or LEL.
Respiratory Protection:	Approved organic vapor mask or respirator. In enclosed areas use air-provided NIOSH approved breathing apparatus.
Protective Gloves:	Neoprene rubber gloves.
Eye Protection:	Chemical splash goggles.
Other Equipment:	Eye wash stations and safety showers should be available.
Hygienic Practices:	Remove and wash contaminated clothing before reuse. Wash hands with soap and water.

Section IX: Special Precautions

Handling/Storage Precautions:	Store away from heat, sparks, and open flames. Recommended storage temperature 78°F (25.5°C).
Other Precautions:	Do not cut, weld, or puncture near containers. Ground containers when pouring and limit free fall to a few inches to prevent static sparks. Avoid spontaneous combustion or contaminated rags or other ignitable organic materials by immediate immersion in water.

Section X: Supplier Notification – Section 313

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right To Know Act of 1986 (40 CFR 372):

<u>Cas#</u>	<u>Chemical Name</u>	<u>Percent By Weight</u>
64742-95-6	Hi-Sol 10	15.76%

Section XI: Disclaimer

We believe the statement, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

If any further information is required, please call (337) 234-6327 or fax (337) 234-0113. Address all inquiries to our research and development department.