

Material Safety Data Sheet

CR679 StoPur Decorative Top Coat

Section I - Manufacturer's Information

Identity: **StoPur Decorative Top Coat** Common Name/Synonym: **Cycloaliphatic Diisocyanate Prepolymer Based Coating**

Manufacturer's Name: **Sto Corp.** Information #: **(404) 346-3666** DOT Hazardous Class: **Not Regulated**
Name: **6175 Riverside Drive, SW** Emergency #: **(800) 424-9300** CAS Number: **Not Registered**
Atlanta, GA 30331

Section II - Preparation Information

Prepared By: **Sto Corp. Research and Development Department**

Date Prepared: **03-Aug-06**

Section III - Hazardous Ingredients

Component - A Ingredient	Percent w/w	CAS Number	TWA/TLV		Other	LD50	LC50
			OSHA	ACGIH			
Magnetite (Fe3O4)	3-7	1309-38-2	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E
Chromium oxide (Cr2O3)	5-10	1308-38-9	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E
Aliphatic Diisocyanate	0.1-1	4098-71-9	0.005 mg/m ³	0.045 mg/m ³	N/E mg/m ³	N/E	N/E
Ferric Oxide	5-10	1309-37-1	10.0 mg/m ³	5.0 mg/m ³	N/E mg/m ³	N/E	N/E
Xylene	1-5	1330-20-7	434 mg/m ³	435 mg/m ³	OSHA STEL 651 mg/m ³	N/E	N/E
Carbamic acid, 1,6-hexanediyldis-, bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] ester	10-30	59719-67-4	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E
Cyclohexane, 5-Isocyanato-1-(Isocyanatomethyl)-1,3,3-Trimethyl-, Aromatic Petroleum Distillates	5-10	53880-05-0	N/E mg/m ³	N/E mg/m ³	N/E mg/m ³	N/E	N/E
Titanium Dioxide	10-30	64742-95-6	N/A mg/m ³	N/A mg/m ³	N/E mg/m ³	4790	6700
	1-5	13463-67-7	10.0 mg/m ³	10.0 mg/m ³	N/E mg/m ³	N/E	N/E

Section IV - Physical/Chemical Characteristics

Component - A

Boiling Point: **N/E** Vapor Density [Air=1]: **N/E** Vapor Pressure: **N/E** pH Level: **N/A**
Melting Point: **N/E** Evaporation Rate [Ether=1]: **N/E** Physical State: **Liquid** Solubility in Water: **Insoluble in Water**
Freezing Point: **N/E** Specific Gravity: [H2O=1]: **1.10 @ 68 F (20 C)** Odor Threshold: **N/E**

Appearance and Odor: **Clear or Colored Liquid** Coefficient of Water/Oil Distribution: **N/E**

Section V - Fire and Explosion Hazard Data

Component - A

Flammability: **Class 3** Flash Point: **75.2 F (48 C)** Autoignition Temperature: **N/E**
Limits LEL/UEL: **1 - 7** Sensitivity to impact: **N/E** Sensitivity to Static Discharge: **N/E**

Hazardous Decomposition Products: **HCN, CO2, CO, NOx, Smoke, Isocyanate, Isocyanic Acid** Special Firefighting Procedures: **Full emergency equipment with SCBA should be worn**

Unusual Fire and Explosive Hazards: **Large fires can be extinguished with large volumes of water applied from a safe distance** Extinguishing Media: **Dry powder, foam, carbon dioxide**

Section VI - Reactivity Data

Component - A

Hazardous Decomposition Products: **HCN, CO2, CO, NOx, Smoke, Isocyanate, Isocyanic Acid** Stability: **Stable** Incompatibility (Materials to Avoid): **Water, amines, strong bases, alcohols, strong oxidizing conditions (Heat, Sunlight and Air)**

Hazardous Polymerization: **Will not occur**

Section VII - Health Hazard Data

Effects and Hazards of

Eye Contact: **Liquid, aerosols and mist may irritate the eyes and can cause tearing, redness and swelling. If left untreated, corneal damage can occur and injury is slow to heal.**

Effects and Hazards of Inhalation (Breathing): **Vapors and mists irritate the nose and throat. Inhalation of higher concentrations may cause headache, nausea, fatigue, narcosis and loss of appetite.**

Effects and Hazards of Skin Contact: **Repeated or prolonged skin contact can result and dry, defatted skin. Irritation with redness and swelling may develop into dermatitis.**

Material Safety Data Sheet

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Effects and Hazards of

Ingestion (Swallowing): **Product is moderately toxic and may be harmful if swallowed; may produce central nervous system depression. Ingestion may result in vomiting.**

Section VIII - Emergency and First Aid Procedures

Treatment for Eye

Contact: **Flush with copious amounts of lukewarm water for at least 15 minutes, holding eyelids open at all times. Refer individual to physician or ophthalmologist for immediate follow-up.**

Treatment for Inhalation

(Breathing): **Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic-type symptoms may develop and may be immediate or delayed up to several hours. Consult physician should this occur.**

Treatment for Skin

Contact: **Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. For severe exposure, get under safety shower then get medical attention. For lesser exposures, seek medical attention if irritation develops or persists after area is washed.**

Treatment for Ingestion

(Swallowing): **DO NOT INDUCE VOMITING. Give 1 to 2 cups of milk or water to drink. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Get prompt, qualified medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of the liquid into the lungs. Get medical attention.**

Section IX - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled (Dry Stage):

Sweep and dispose of in proper receptacle.

Steps to be taken in case material is released or spilled (Wet Stage):

Ventilate area. Remove all ignition sources. Dike to control further spillage. Cover with absorbent material and collect in open containers.

Waste Disposal

Method: **Per local, state and federal regulations.**

Precautions To Be Taken In

Handling and Storing: **Keep away from heat, sparks, and flames. Store in cool, dry area. Vent containers frequently, and more often in warm weather, to relieve pressure.**

Other Precautions: **This material is an industrial product designed to be used by professionals familiar with the requirements of this MSDS.**

Respiratory Protection: **An air-supplied respirator must be worn during spray applications, during long-term (over 1 hour) exposures when the product is heated or in environments of high concentrations near the TLV, an air-purifying respirator equipped with organic cartridges or canisters and dust filters can be used. However, due to the poor warning properties of this product, proper fit and timely replacement of filter elements must be ensured. Observe OSHA regulations for**

Ventilation: **Local exhaust should be used to maintain levels below the TLV whenever this product is processed, heated or spray applied. For spray applications, an air-supplied respirator must be worn. All ventilation should be according to OSHA (29 CFR 1910.94).**

Protective Gloves: **Chemical resistant gloves (butyl rubber, nitrile rubber).**

Eye Protection: **Liquid chemical goggles or full-face shield. Contact lenses should not be worn.**

Other Protective

Equipment: **Recommended; splash bib and protective clothing. Clean, fresh running water should be available.**

Work and Hygienic

Practices: **Remove and wash contaminated clothing. As with all commercial and industrial products, always wash hands before eating or smoking.**

California Proposition 65: **This product does not contain any material considered a carcinogen by the State of California.**

Carcinogenicity: **No** NTP: **No** IARC: **Class 3** OSHA Regulated: **No** LD50: **4300 mg/kg** LC50: **5000 ppm/4H**

respirator use (29 CFR 1910.134).

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