

# Material Safety Data Sheet

## CR676 StoPur Deck Intermediate Coat

### Section I - Manufacturer's Information

Identity: **StoPur Deck Intermediate Coat** Common Name/Synonym: **Aromatic Isocyanate 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			
Polyol	10-30	25322-69-4	N/E mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E	N/E
Aromatic Petroleum Distillates	10-30	64742-95-6	N/A mg/m <sup>3</sup>	N/A mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	4790	6700
Calcium Carbonate	30-60	1317-65-3	5.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E	N/E
Benzene, 1,1 - methylenebis[isocyanato-	7-13	26447-40-5	N/E mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E	N/E
Ferric Oxide	1-5	1309-37-1	10.0 mg/m <sup>3</sup>	5.0 mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E	N/E
Carbamic acid, 1,6-hexanediylbis-, bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] ester	1-5	59719-67-4	N/E mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	N/E	N/E
Titanium Dioxide	1-5	13463-67-7	10.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>	N/E mg/m <sup>3</sup>	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/A** Evaporation Rate [Ether=1]: **N/E** Physical State: **Liquid** Solubility in Water: **Reacts slowly with water to**  
Freezing Point: **N/E** Specific Gravity: [H<sub>2</sub>O=1]: **N/E** Odor Threshold: **N/A** Coefficient of Water/Oil Distribution: **N/E**  
Appearance and Odor: **Viscous colored liquid with solvent odor**

### Section V - Fire and Explosion Hazard Data

Component - A  
Flammability: **Class 3** Flash Point: **75.2 F** Autoignition Temperature: **N/E**  
Limits LEL/UEL: **N/E - N/E** Sensitivity to impact: **N/E** Sensitivity to Static Discharge: **N/E**  
Hazardous Decomposition Products: **CO<sub>2</sub>, CO, NO<sub>x</sub>, 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 at a safe distance**  
Extinguishing Media: **Dry powder, foam, CO<sub>2</sub>**

### Section VI - Reactivity Data

Component - A  
Hazardous Decomposition Products: **HCN, CO<sub>2</sub>, CO, NO<sub>x</sub>, Smoke, Isocyanate, Isocyanic Acid** Stability: **Stable** Incompatibility (Materials to Avoid): **Water, amines, strong bases, alcohols**  
Hazardous Polymerization: **May occur if in** Conditions to Avoid: **Oxidation promoting conditions (Heat, Sunlight and Air)**

### Section VII - Health Hazard Data

Carcinogenicity: **No** NTP: **Yes** IARC: **Group 2B** OSHA Regulated: **Yes** LD50: **>2000 mg/kg** LC50: **490 mg/m<sup>3</sup>**  
Effects and Hazards of Eye Contact: **ACUTE EXPOSURE: Liquid aerosols or vapors are irritating and can cause tearing, reddening and swelling. If left untreated, corneal damage can occur and injury is slow to heal. However, damage is usually reversible. CHRONIC**

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**EXPOSURE:** None found.

- 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. Inhalation of very high concentrations or prolonged exposure may cause unconsciousness or death.**
- Effects and Hazards of Skin Contact: **Repeated or prolonged skin contact can result in dry, defatted skin. Irritation with redness and swelling may develop into dermatitis.**
- Effects and Hazards of Ingestion (Swallowing): **ACUTE EXPOSURE:** Can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract. **Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea. CHRONIC EXPOSURE:** None found.

### 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 individual to fresh air and administer oxygen or artificial respiration as needed. Obtain medical attention.**
- 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): **Contain by diking with soil or other non-combustible absorbent material. Dispose in approved waste 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: **Wear a NIOSH-approved respirator appropriate for the vapor or mist concentration at the point of use. Appropriate respirators may be a full facepiece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator.**
- 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: **Chemical goggles unless a full face respirator is also worn. It is generally recognized that contact lenses should not be worn when working with chemicals because the lenses may contribute to the severity of an eye injury.**
- Other Protective Equipment: **Recommended; splash bib and protective clothing.**
- 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 contains petroleum distillates and isocyanates which are considered a carcinogen by the State of California.**

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