

# MATERIAL SAFETY DATA SHEET

## 1. Product Information

Product Name: Aluthane™ Coating (Aluminum Filled Urethane Topcoat/Primer)  
Product Class: Polyurethane Coating Product Code: CG020

## 2. Composition/Information on Ingredients

| Chemical Name                 | CAS Number | Weight Percent | Occup. Exposure Limits |           | Vapor Pressure |             |
|-------------------------------|------------|----------------|------------------------|-----------|----------------|-------------|
|                               |            |                | OSHA PEL               | ACGIH TLV | mm Hg          | and Temp. F |
| *Aluminum                     | 7429-90-5  | 20-25          | N/E (Not established)  |           | 10mg/m3        | N/A         |
| *Xylene (Xylol)               | 1330-20-7  | 2-3            | 100 ppm                | 100 ppm   | 5.1            | 68          |
| Aromatic Petroleum Distillate | 64742-95-6 | 25-30          | 100 ppm                | N/E       | 3              | 68          |
| Polyisocyanate based on MDI   | Mixture    | 50-55          | .020 ppm               | .005 ppm  | 10             | 77          |

\*Indicates toxic chemical(s) subject to reporting requirements of Section 313 of Title III and of 40 CFR 372.

## 3. Physical Data

**Boiling Range (Deg. F):** 275°F      **Vapor Density:** Heavier than air      **Evaporation Rate:** Slower than Ether      **Percent Volatile By Volume:** 47  
**Weight Per Gallon (lbs.):** 9.1 ± .2      **Specific Gravity:** 1.05

## 4. Fire and Explosion Hazard Data

**Flash Point (Deg.F):** 88° F      **Lower Explosive Limit:** 1.0.      **Extinguishing Media:** Foam, alcohol foam, CO2, dry chemical  
**OSHA Flammability Classification:** Flammable Liquid IC      **Special Firefighting Procedures:** Wear a NIOSH/MSHA approved self contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.  
**Unusual Fire and Explosion Hazards:** Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard. Conditions of fire may generate oxides of carbon and nitrogen.

## 5. Health Hazard Data

**THIS PRODUCT IS FLAMMABLE.**      **Effects of Overexposure:** **Eyes:** Irritation, burning, tearing and redness.      **Skin:** Moderately irritating.  
**Ingestion:** Abdominal pain, nausea, vomiting and diarrhea.      **Inhalation:** Excessive exposure to vapors can cause headache, dizziness, uncoordination, nausea and loss of consciousness.  
**Emergency and First Aid Procedures:** **Eyes:** Flush with water for 15 minutes.      **Skin:** Remove contaminated clothing, wash skin with soap and water.      **Ingestion:** DO NOT induce vomiting. Get medical attention immediately.      **Inhalation:** Move to fresh air, aid breathing if necessary.  
**In all cases, consult a physician for best treatment.**      **Chemical listed as carcinogen or potential carcinogen:** NTP: No IARC: No OSHA: No

## 6. Reactivity Data

**Stability:** Product Stable      **Conditions to Avoid:** All sources of ignition      **Incompatibility (Materials to avoid):** Oxidizing agents, strong acids and bases.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds.      **Hazardous Polymerization:** Will not occur.

## 7. Spill or Leak Procedures

**Steps to be taken in case material is released or spilled:** Dike spill area. Absorb spill with inert absorbent material. Place in sealed metal containers for proper disposal.      **Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations.

## 8. Special Protection Information

**Respiratory Protection:** Use a NIOSH/MSHA jointly approved respirator      **Ventilation:** Use mechanical ventilation      **Protective Gloves:** Neoprene or rubber      **Eye Protection:** Chemical splash goggles      **Other Protective Equipment:** Protective clothing, barrier cream, eye bath, safety shower.

## 9. Special Precautions

**Precautions to be taken in handling and storing:** Store in dry area. Keep away from open flames and high temperatures.      **Other precautions:** Minimize contact. Avoid breathing vapors. Practice good industrial hygiene and safe working practices.

## 13. Transportation Information and Regulatory Information

H.M.I.S. Codes:: Health - 3, Flammability - 3, Reactivity - 1  
Regulated by USDOT, IATA & IMO. Flammable Liquid, UN 1493, Packing Group III, Class 8