

# MSDS

## SECTION 1 – Chemical Product and Company Identification

U S CHEMICAL & PLASTICS  
An Alco Industries Company  
600 Nova Drive SE  
Massillon, OH 44646  
PH 330-830-6000 - FAX 330-830-6005

For Chemical Emergency:  
CHEMTREC: 1-800-424-9300  
CANUTEC: 1-613-996-6666  
(For Canada call collect)

**PRODUCT NAME:** All-Metal  
**PRODUCT CODE:** (14009), 14010, 14060, 14070  
**SYNONYM/CROSS REFERENCE:** Polyester Paste  
**SCHEDULE B NUMBER:** 3214.10.0090

## SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS:

ACUTE EFFECTS:

EYES: Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

SKIN: Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

INHALATION: Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

INGESTION: Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

PRIMARY ROUTES OF EXPOSURE: skin, inhalation, eyes

## SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Styrene	15-25%	100-42-5
Non-fibrous talc	15-25%	14807-96-6
Castor Oil Derivative	0-3%	8001-78-3
Aluminum Powder	10-20%	7429-90-5

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## **SECTION 4 – First Aid Measures**

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

## **SECTION 5 – Fire-Fighting Measures**

**FLASH POINT:** 91°F/32.8°C Seta Flash Closed cup

**LOWER FLAMMABLE LIMIT %:** N/E

**UPPER FLAMMABLE LIMIT %:** N/E

**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam

**SPECIAL FIRE FIGHTING PROCEDURES:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures, such as fire conditions may rupture.

## **SECTION 6 – Accidental Release Measures**

**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

## **SECTION 7 – Handling and Storage**

**STORAGE AND HANDLING:** Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

## **SECTION 8 – Exposure Controls and Personal Protection**

<b><u>INGREDIENTS</u></b>	<b><u>CAS #</u></b>	<b><u>TLV/PEL</u></b>
Styrene	100-42-5	OSHA PEL 100 ppm CPEL 200 ppm ACGIH : TLV 20 ppm STEL 100 ppm See Health Hazard Information
Non-fibrous talc	14807-96-6	ACGIH : TWA 2 mg/m <sup>3</sup> OSHA : TLV 20 mppcf
Castor Oil Derivative	8001-78-3	OSHA : PEL 15 mg/m <sup>3</sup>
Aluminum Powder	7429-90-5	ACGIH: TWA 10 mg/m <sup>3</sup>

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RESPIRATORY PROTECTION: If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use an air-supplied respirator if necessary.

VENTILATION: Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

PROTECTIVE GLOVES: To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

EYE PROTECTION: Safety Glasses or goggles with splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing as required to prevent skin contact.

## **SECTION 9 – Physical and Chemical Properties**

APPEARANCE: Metallic, smooth paste

SPECIFIC GRAVITY: 1.30

VAPOR PRESSURE (mmHG): Heavier than air

BOILING POINT: N/A<sub>v</sub>

VAPOR DENSITY: Heavier than air

EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether

VOLATILES BY VOLUME: 15-25%

SOLUBILITY IN WATER: None

VOC: Grams/Liter Less Exempts = 265. Unconsumed VOC upon curing 1.8

## **SECTION 10 – Stability and Reactivity**

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.

INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

## **SECTION 11 – Toxicological Information**

### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Eye, skin, lung, and central nervous system damage.

CARCINOGEN: YES  NO

TERATOGEN: YES  NO

MUTAGEN: YES  NO

### **STYRENE CARCINOGENICITY**

Styrene is listed by IARC to be a possible carcinogen. Styrene studies have shown that Styrene causes cancer in certain laboratory animals. However, there is insufficient evidence to conclude that Styrene is a human carcinogen.

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## SECTION 12 – Ecological Information

N/E

## SECTION 13 – Disposal Considerations

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

## SECTION 14 – Transport Information

### **For Ground Transport: In USA**

Consumer Commodity ORM-D

### **For Air Transport:**

Must be re-boxed to UN specified packaging in quantities of no more than 5 kg per fiberboard box

UN3269, Polyester Resin Kit, 3, PGIII

Packing Instruction 312

### **For Ocean Transport:**

UN3269, Polyester Resin Kit, 3, PGIII, F/P 40°C

EMS # F-E, S-D, In limited quantity

## SECTION 15 – Regulatory Information

### **CALIFORNIA PROPOSITION 65:**

Trace amounts of some chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm may be present in this product.

### **SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>% BY WGT</u>
Styrene	100-42-5	15-25%

This information must be included in all MSDS that are copied and distributed for this chemical.

