

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Powder Coating
PRODUCT I.D.: POL-1228-H

COLOR: Martin Orange
PRODUCT CLASS: Polyester

***** SECTION 1 - MANUFACTURER IDENTIFICATION *****

MANUFACTURER: Atomized Powder Coatings
ADDRESS: 4141 2nd Parkway.
Terre Haute, IN 47804

ISSUE DATE: November 11, 2003

EMERGENCY PHONE: (812) 466-1362

PREPARER: Alex McLean

***** SECTION 2 - HAZARDOUS INGREDIENTS *****

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Triglycidyl Isocyanurate	2451-62-9	2-7%

***** SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS *****

BOILING POINT: N/A **SPECIFIC GRAVITY:** 1.56
MELTING POINT: 90-120°C **SOLUBILITY IN WATER:** Negligible.
V.O.C. (volume): < 1.0 %
APPEARANCE & ODOR: Fine powder, slight or no odor.

***** SECTION 4 - FIRE AND EXPLOSION DATA *****

FLASH POINT: N/A **NFPA CLASSIFICATION:** Not a flammable liquid.
EXTINGUISHING MEDIA: Foam, CO₂, dry chemical, water fog.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust in air may burn or explode.
SPECIAL FIREFIGHTING PROCEDURES: Firefighters should use self-contained breathing apparatus.

***** SECTION 5 - REACTIVITY DATA *****

STABILITY: Normally stable. **CONDITIONS TO AVOID:** None known.
INCOMPATIBILITY: Strong oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion can produce smoke, carbon dioxide, carbon monoxide and sometimes nitrogen oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

***** SECTION 6 - PERSONAL PROTECTION *****

RESPIRATORY PROTECTION: Use a NIOSH approved filter respirator. Refer to OSHA 29 DFR 1910.134.

VENTILATION: Local exhaust ventilation is recommended in sufficient volume to keep particulates from coming into contact with operators. Fumes from baking this product must be vented.

HAND PROTECTION: Wear appropriate impermeable gloves.

EYE PROTECTION: Wear dust goggles.

OTHER PROTECTIVE EQUIPMENT: Not likely to be needed.

***** **SECTION 7 - HEALTH DATA** *****

EFFECTS OF SHORT TERM OVEREXPOSURE:

Swallowing: Harmful if swallowed.
Inhalation: May cause respiratory irritation.
Eye: May cause eye irritation.
Skin: May cause skin irritation.

EFFECTS OF REPEATED OVEREXPOSURE:

Skin: May cause dermatitis.

***** **SECTION 8 - FIRST AID AND EMERGENCY PROCEDURES** *****

SWALLOWING: If swallowed, immediately contact the Poison Control Center, hospital emergency room or a physician.

INHALATION: Remove to fresh air. If breathing has stopped, perform artificial respiration if qualified.

EYE: Flush with large amounts of water. Continue for at least 15 minutes. Get medical attention.

SKIN: Remove contaminated clothing. Wash affected areas with mild soap and water. Get medical attention if condition persists.

NOTES TO PHYSICIAN:

Any treatment that might be required for overexposure should be directed at the control of symptoms and the clinical conditions.

***** **SECTION 9 - SPECIAL PRECAUTIONS** *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store below 80°F.
Keep away from heat, sparks and flame. Avoid skin contact. Avoid inhalation.

OTHER PRECAUTIONS: Do not take internally.

This powder coating contains TGIC. TGIC in its pure form has been found to be mutagenic in Ames testing results. Powder coatings containing TGIC are **NOT** mutagenic in Ames testing. However, animal feeding tests showed that a powder containing 9% TGIC (higher than normal level) produced chromosomal aberrations in mouse spermatogonial cells. Powders containing normal levels of TGIC (around 4.5%) showed no mutagenic tendencies.

Other recent studies involving inhalation exposure demonstrated that a powder containing 10% TGIC produced no effects in laboratory animals at a 100-mg/m³ dosage level. 1000 mg/m³ produced disputable results.

Results of an additional study were published in 1992. This study showed no observable effects at a 1000 mg/m³ level for a 4.6% containing powder coating.

Using a safety factor of 100 times, the occupational exposure level of this product is 10-mg/m³ based on an eight-hour time weighted average. This exposure level is consistent with the occupational exposure limit recommended for dusts.

***** SECTION 10 - RIGHT-TO-KNOW *****

NEW JERSEY LABELING INFORMATION:

This product contains the following reportable component:

Chemical Name: 1,3,5-Triazine-2,4,6 (1H,3H,5H)-Trione, 1,3,5-Trisoxiranylmethyl
CAS Number: 2451-62-9
Level: 1-7%

PENNSYLVANIA RIGHT-TO-KNOW ACT:

The following is required information:

Chemical Name: 1,3,5-Triazine-2,4,6 (1H,3H,5H)-Trione 1,3,5-Trisoxiranylmethyl
CAS Number: 2451-62-9
Level: 1-7%

This material is not on the Pennsylvania Hazardous Substance List.

***** SECTION 11 - OTHER INFORMATION *****

This information is based on data considered to be accurate. No warranty is expressed or implied regarding the accuracy of this data or the performance obtained from use of same. It is the obligation of the user of this product to determine the conditions for safe use of this product.