

MATERIAL SAFETY DATA SHEET

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DATE PREPARED: 10/07/2005

MSDS No: PRSF 90071

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:
Product Description: Polyester
Product Code: 10093
Product Name: Clear
Chemical Family: TGIC
Generic Name: Polyester

MANUFACTURER:

Manufactured For:
The Easthill Group
dba/ The Eastwood Co.
263 Shoemaker Rd.
Pottstown, PA 19464
USA & Canada: 1-800-345-1178
Outside USA: (610) 323-2200

24 HR. EMERGENCY TELEPHONE NUMBERS:

CHEMTREC (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>wt. %</u>	<u>CAS Registry #</u>
Triglycidylisocyanurate	1 - 10	2451-62-9

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:

Finely divided powder

IMMEDIATE CONCERNS:

Do not breathe dust, may cause respiratory tract irritation. May cause skin or eye irritation. Do not swallow. Do not generate dust clouds.

POTENTIAL HEALTH EFFECTS

EYES:

Mildly irritating to the eyes.

SKIN:

Is not expected to cause skin irritation.

INGESTION:

Not hazardous in normal industrial use. Wash hands before eating drinking or smoking.

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INHALATION:

Temporary discomfort to the upper respiratory tract may occur due to mechanical irritation. Refer to ingredients individual exposure limits. If none are listed powder coatings should be considered a nuisance dust with the following exposure limits: OSHA PEL-5mg/m3 (respirable particulates), 15mg/m3 (total particulates); ACGIH TLV- 10mg/m3 (total particulates).

ROUTES OF ENTRY:

Eyes, inhalation.

TARGET ORGANS:

Eyes, respiratory tract.

4. FIRST AID MEASURES

EYES:

Hold eye lids apart and flush with plenty of water for at least 15 minutes.

SKIN:

Wash with soap and water.

INGESTION:

Obtain medical attention. Rinse mouth with water. Drink one cup of water. If vomiting occurs drink more water. Never give anything by mouth to anyone unconscious.

INHALATION:

Remove to fresh air. If not breathing give artificial respiration. If symptoms persist seek medical attention.

5. FIRE FIGHTING MEASURES

Flammable Limits: 30-70g/m3

FLAMMABLE CLASS:

While in bulk storage the HMIS/NFPA flammability rating is 1. When powder is suspended in air above their LEL their rating is 4.

EXTINGUISHING MEDIA:

Foam, water spray or fog, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, etc.

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EXPLOSION HAZARDS:

As with all dusts, when suspended in air powder coatings may be ignited by an open flame or electrical spark.

FIRE FIGHTING PROCEDURES:

Fire fighters exposed to the by products of combustion should be equipped with approved NIOSH breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Vacuum or sweep up material and place in a disposal container. Use only an explosion proof vacuum and non sparking tools. Do not generate dust cluds.

LARGE SPILL:

As with small spill.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Keep dusting to a minimum.

HANDLING:

Wash hands with soap and water after handling, especially before eating or smoking.

STORAGE:

Store in a dry, cool place below 80 f.

SHELF LIFE:

6 months unless otherwise noted.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION

EYES AND FACE:

As a minimum safety glasses should be worn. Facilities storing or utilizing this material should be equipped with an eye wash facility.

RESPIRATORY:

When applying or cleaning an area where powder coatings are used, use a dust mask, or if levels of the dust exceed the exposure limits use an approved NIOSH/MSHA respirator.

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PROTECTIVE CLOTHING:

Wear protective clothing and suitable impervious gloves.

WORK HYGIENIC PRACTICES:

Maintain a clean working environment. Keep dusts levels to a minimum. Wash thoroughly before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Odor: None
Appearance: powder
Color: Varies
pH: None
Vapor Pressure: None
Boiling Point: None
Freezing Point: None
Melting Point: >120°C
Solubility in Water: Insoluble
Evaporation Rate: None
Specific Gravity: 1.2 to 1.8 (water=1)
Viscosity: None
(VOC): <1

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY:
stable

POLYMERIZATION:
will not occur

CONDITIONS TO AVOID:
High temperatures during storage.

HAZARDOUS DECOMPOSITION:
Smoke, soot and toxic/ irritating fumes (i.e. Carbon dioxide, carbon monoxide etc.)

INCOMPATIBLE MATERIALS:
Oxidizers, acids.

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11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Dust may be irritating to the eyes.

CARCINOGENICITY:

IARC: None

NTP: None

OSHA: None

GENERAL COMMENTS:

Triglycidylisocyanurate

Over exposure to this product may cause eye and skin irritation and skin sensitization in susceptible individuals. TGIC gives a positive response in the ames, mouse lymphoma and mouse spermatogonial (inhalation) assays and a negative response in the following assays: oral spermatocyte aberration (mouse); oral dominant lethal (TIF-AG and ICR); inhalation dominant lethal (CD-1); and intraperitoneal spot test (mouse). Studies in a powder coating containing 4-6% TGIC prepared by normal commercial production techniques gave the following results: Not irritating to the eyes or skin, not sensitizing (skin); ames test: negative; chromosomal aberrations (mouse): negative (oral) at less than or equal to 5000mg/kg; negative (inhalation) less than or equal to 2000mg/kg. The manufacturer of TGIC currently recommends a TLV-STEL of 0.08mg/m³. A valid industrial method for determining TGIC now exists. It is recommended that workers exposed to TGIC containing powders wear respiratory protection and other personal protective equipment as described in section 8.

Oral LD50 Rat 1090 mg/kg

Dermal LD50 >2000mg/kg

Inhalation LD50 mouse 200mg/m³ / 4hours

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:

Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

U.S. Surface Freight Class: 55

Bulk Freight Class: 55

Label: None

Other Shipping Information: not regulated.

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15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

Fire: No Pressure Generating: No Reactivity: No Acute: No Chronic: Yes

311/312 Hazard Categories: None

313 Reportable Ingredients: None

Title III Notes: None

CARCINOGEN:

None

CANADA

WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM):

All of the components of this product are approved and listed on the Canadian Domestic Substance List or exempt from notification requirements.

STATE REGULATIONS

PROPOSITION 65 STATEMENT:

None

16. OTHER INFORMATION

Approved by: Glynn Mason

NFPA CODES

Fire: 1 Health: 1 Reactivity: 0 Special: 0

HMIS CODES

Fire: 1 Health: 1 Reactivity: 0 Protection: 0

MANUFACTURER DISCLAIMER:

All the information contained herein is to the best of our knowledge true and accurate. However, since we have no control on how our products are shipped, handled, stored or used we make no guarantee of results and will not be held liable for any damages incurred. All chemicals should be used with caution and we make no guarantee that other hazards may not be present. It is the responsibility of the user to ensure all local, state and federal regulations are complied with.
