



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### TRIGLYCIDYL ISOCUANURATE (TGIC)

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number: 800-238-0001	800-424-9300 703-527-3887
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Date: August 2007

Synonyms: Tris (2,3-epoxypropyl) isocyanurate (TEPIC)

CAS #: 2451-62-9

DOT Hazard Class: Toxic Solid, Organic N.O. S.  
(Triglycidyl Isocuanurate -TGIC)  
UN 2811 Class 6.1, PG III, Toxic

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Triglycidyl Isocyanurate – 100%

#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: A white granular or powder that is toxic, harmful and an irritant.

POTENTIAL HEALTH EFFECTS:

**Skin:** Harmful by skin absorption. Material causes skin irritation. May cause sensitization by skin contact.

**Eyes:** Material causes eye irritation. Risk of serious damage to eyes.

**Inhalation:** Toxic by inhalation. Material is irritating to the mucous membranes and upper respiratory tract.

**Ingestion:** Toxic by ingestion.

CARCINOGENICITY: Not Identifiable

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#### **SECTION 4 - FIRST AID MEASURES**

**Skin:** Immediately wash skin with soap and water for at least 15 minutes.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart. Seek Medical advice.

**Inhalation:** Remove to the fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Wash out mouth with water.

**On All Of The Above:** Consult a physician if symptoms persist.

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#### **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Non Combustible

Flammable Limits: Non Combustible

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures:

Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turn-out gear.

Unusual Fire Explosion Hazard: During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion.

Auto Ignition Temperature: Not Available

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#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

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#### **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product should be stored in a dry area to prevent moisture pick up and caking.

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#### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved respirators.

**VENTILATION REQUIREMENTS:** Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

**SKIN AND EYE PROTECTION:** Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin and eyes from dust.

**WORK, HYGIENIC PRACTICES:**

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

**EXPOSURE LIMITS:** None Established

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H<sub>2</sub>O=1): Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 90 –125° C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: <0.1g/100mL at 20° C

pH: Not Available

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## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of Carbon Monoxide, Carbon Dioxide and Nitrogen Oxides.

KEEP AWAY FROM: Strong Oxidizers

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

LC<sub>50</sub> (inh, rat): No information

LD<sub>50</sub> (oral, rat): 188 mg/kg

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## **SECTION 12 - ECOLOGICAL INFORMATION**

**Biodegradability:** No information.

**Aquatic Toxicity:** Harmful to aquatic organisms, may cause long-term adverse effects in the Aquatic environment.

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### **SECTION 13 - DISPOSAL CONSIDERATIONS**

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

RCRA WASTE #: Not Listed

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### **SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME: Toxic solids, organic, n.o.s. (Tris (2,3-Epoxypropyl) Isocyanurate)  
(Triglycidyl Isocuanurate -TGIC)  
UN 2811 Class 6.1, PG III, Toxic

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### **SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not listed

TSCA STATUS: Listed

EINECS No.: 219-514-3

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance Not listed

Section 313 Toxic Chemicals: Not listed

Section 311/312 Hazard Category: Acute hazard.

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### **SECTION 16 - OTHER INFORMATION**

Reason for Issue: Changed Date

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