



## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### NEON AND FLUORESCENT MSDS

Revision date: 09/21/2010

Supplier: POWDER 365

82 Green Acres Circle

Lavonia GA 30553

For non-emergency information contact: 1-877-350-2343

#### Emergency Telephone

Spill Emergency 800-424-9300

Health Emergency 800-441-3637

Chemtrec 800-424-9300

### 2. HAZARDOUS INGREDIENTS

· Chemical characterization

· Description:

Product is a mixture of hazardous and non-hazardous ingredients compounded in polymer

Hazardous components: CAS# PEL-OSHA TLV-ACGIH Conc.[%]

T-Glycid-T-Cyanurate (TGIC) 2451-62-9 N/E 0.05 mg/m<sup>3</sup> 5-10

### 3. POTENTIAL HEALTH EFFECTS

· Information pertaining to particular danger for man and environment

Harmful by inhalation and if swallowed.

· Classification system

Classification was made according to the latest editions of international substance lists, and expanded upon from

company and literature data.

NFPA ratings (scale 0-4)

Health 1

Fire 1

Reactivity 0

· Effects of overexposure to:

T-Glycid-T-Cyanurate (TGIC) Warning! Severe eye irritant. Toxic by ingestion or if inhaled. May cause dermatitis and sensitization. Can cause effects on the male reproduction system.

### 4. FIRST AID MEASURES

· After inhalation

Supply fresh air and to be sure call for a doctor

· After skin contact

Generally the product does not irritate the skin

- After eye contact

Rinse opened eye for several minutes under running water

- After swallowing

Rinse mouth out and then drink plenty of water. If symptoms persist consult doctor

#### 5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents

Use CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Protective equipment

Wear self-contained respiratory device

#### 6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions

Ensure adequate ventilation

- Measures for environmental protection

Do not allow to enter sewer/surface or ground water

- Measures for cleaning/collecting

Pick up mechanically. Dispose contaminated material as waste according to item 13

#### 7. HANDLING AND STORAGE

- Handling

- Information for safe handling

Prevent formation of dust Ensure good ventilation/exhaustion at the workplace

- Information for safe protection against explosions and fires

Dust can combine with air to form an explosive mixture

- Storage

- Requirement to be met by storerooms and receptacles

Store in cool, dry place, in tightly closed container. Storage temperature not to exceed 25 degrees C/77 degrees F to

ensure product quality. Shelf life of the product at that temperature up to 2 years, after that the performance of the

product will deteriorate. Protect from heat and direct sunlight. Protect from humidity and water.

- Information about storage in one common storage facility

Not required

#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Additional information about design of technical systems

No further data; see item 7

- Components with limited values that require monitoring at the workplace

T-Glycid-T-Cyanurate (TGIC)

- Personal protective equipment

Keep away from foodstuffs, beverages, and feed. Wash hands before breaks and at the end of work. The usual

precautionary measures for handling chemicals should be followed.

· General protective and hygienic measures

· Inhalation

It is recommended to use MSHA approved respirator when handling powders. Powders are considered nuisance dust.

· Skin contact

Avoid skin contact; use long sleeved shirts and impermeable gloves at a minimum when handling powders.

TYVEK full body suits or equivalent are recommended for heavy exposure. Be sure to launder contaminated

clothing before reuse. Wash skin with mild soap and water if contact occurs. If symptoms develop, consult with

a physician.

· Eye protection

Require the use of safety goggles with side shields. Powder particles can be abrasive on the cornea. In case of eye

contact flush with plenty of fresh water. If irritation develops consult with a physician.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

· Form Solid, finely divided powder

· Color According to product specifications

· Odor Nearly odorless

· Change in condition

· Melting point/range 70-80 degrees C/158-176 degrees F

· Boiling point/range Not applicable

· Flash point Not applicable

· Auto igniting Product is still not self-igniting

· Danger of explosion Product does not normally present an explosive hazard. However, dust can combine

with air to form an explosive mixture if it comes in contact with a source of ignition.

LOWER EXPLOSION LIMIT: 15g/m<sup>3</sup>

UPPER EXPLOSION LIMIT: 50g/m<sup>3</sup>

· Density: 1.2g/cm<sup>3</sup> – 1.7g/cm<sup>3</sup>

· Solubility in/miscibility with water

Not miscible or difficult to mix

· Solvent content Organic solvents – 0.0% Solids content – 100%

## 10. STABILITY AND REACTIVITY

· Product Stability:

No decomposition if used according to specifications

· Thermal decomposition/conditions to be avoided

Decomposition at high temperatures may yield Carbon Dioxide, Carbon Monoxide, Nitrous Oxides, and other

hazardous gases.

· Dangerous Reactions:

· Dangerous products of decomposition:

## 11. TOXICOLOGICAL INFORMATION

· Primary irritant effect

On the skin – Powder can be irritating through mechanical action, also has a drying effect.

On the eye – Powder can be irritating through mechanical action, can cause abrasion on the cornea.

· Sensitization

Sensitization possible through inhalation and skin contact

· Additional toxicological information

The product shows the following danger according to internal approved calculation methods for preparations.

## 12. ECOLOGICAL INFORMATION

· General notes

Water hazard class 1 (self-assessment) : slightly hazardous for water

## 13. DISPOSAL CONSIDERATIONS

· Product

· Recommendations

Must not be disposed of together with household garbage. Do not allow product to reach sewage systems

· Unclean packaging

· Recommendations

Disposal must be made according to official regulations

## 14. TRANSPORTATION INFORMATION

· DOT regulations

· Hazard class

Non Regulated

· Maritime transportation IMDG

· Marine pollutant

No

## 15. REGULATIONS

· Product related hazard information

The product has been classified and marked in accordance with directives on hazardous materials

· Hazard symbols

Harmful

· Hazard-determining components of labeling

TGIC

· Risk phrases

Harmful by inhalation and if swallowed

May cause sensitization by inhalation and skin contact

· Safety phrases

Keep out of reach of children

Keep container dry

Keep contained in a well ventilated place

Keep away from food, drink, and animal feed

Do not breathe gas/fumes/vapor/spray

If swallowed, seek medical advice immediately and show this container or label

#### 16. OTHER INFORMATION

· This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific

product features and shall not establish a legally valid contractual relationship.

· Pure, concentrated TGIC is toxic to humans. At the concentrations TGIC is found in Powder 365 powder

coatings, it is not toxic and only contributes to nuisance dust. Users of TGIC containing powder coatings should be

aware that such coatings could cause contact dermatitis or short term, asthma like symptoms in sensitive persons.

The European Union regulates pure TGIC under its environment annex as a substance with potential reproductive effects.

· **WARNING:** This product contains chemical(s) known by the State of California to cause cancer, birth defects or other reproductive harm

· This powder coating may contain crystalline silica as quartz. Crystalline silica is an experimental carcinogen,

tumorigen and neoplastigen; it is listed by the National Toxicology Program, International Agency for Research on

Cancer, and is listed pursuant to California's Safe drinking Water and Toxic Enforcement Act (1986) as a human carcinogen.