



# Material Safety Data Sheet

Revision Date: 2/18/04

NA = Not Applicable NE = Not Established

## **Section 5. Health Hazard Data**

OSHA Permissible Exposure Limit:

STEL EG 50 ppm  
TD resp. 15 mg/m<sup>3</sup>

ACGIH Threshold Limit Value:

NA  
10 mg/m<sup>3</sup>

Carcinogen – NTP Program: No

Carcinogen – IARC Program: No

### Symptoms of Exposure:

Skin: Irritating on repeated contact.

Eye contact: Can cause eye irritation.

Inhalation: Can irritate nose, throat and lungs and cause headache, nausea, drowsiness, slurred speech, dizziness, stupor and unconsciousness.

Delayed effects: Prolonged or repeated exposure to ethylene glycol can cause liver and kidney damage.

Medical Conditions Aggravated by Exposure: NARoutes of Entry: Ingestion, Inhalation

### **Emergency and First Aid Procedures:**

Inhalation: Move subject to fresh air.Swallowing: Dilute by giving 2 glasses of water to drink. Seek medical attention. NOTE TO PHYSICIAN: Ethylene glycol can cause liver and kidney damage. Careful evacuation of the stomach is advised.Eye Contact: Immediately flush well with large amounts of water for 15 minutes. Seek medical attention if irritation persists.Skin Contact: Wash thoroughly with soap and water.

## **Section 6. Reactivity Data**

Stability: StableConditions to Avoid: Temperatures above 350°F (177°C)Incompatibility (Materials to Avoid Contact): NAHazardous Decomposition or By-Products: NAHazardous Polymerization: Will not occur.

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## **Section 7. Procedures for Safe Handling and Use**

Spill Response: Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills by diking with inert material (e.g., sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning runoffs from entering municipal sewers or open bodies of water.

Waste Disposal Method: Coagulate by the stepwise addition of ferric chloride and lime. Remove the supernatant liquid and flush to a chemical sewer. Incinerate the solids and the contaminated diking material according to federal, state and local regulations.

## **Section 8. Control Measures**

Eye Protection: Wear chemical splash goggles (ANSI Z87.1 or approved equivalent).

Respiratory Protection: Wear respirator (MSHA/NIOSH approved) when exposure limits are exceeded.

Skin Protection: Wear impervious protective gloves.

Ventilation: Local and mechanical exhaust ventilation recommended.

## **Section 9. Special Precautions**

Hygienic Practices in Handling and Storage: Wash hands with soap and water after handling.

Temperatures: Max. 140°F (60°C). Min. 34°F (1°C). Keep from freezing.

Precautions for Repair and Maintenance of Contaminated Equipment: NA

Other Precautions: NOTE: Titanium dioxide when formulated as above does not pose a dust hazard unless sanding or grinding of the dry coating takes place. The TWA for inorganic filler are those for nuisance dusts.