



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Thermal Energy Fluid CR01

SECTION 1: PRODUCT INFORMATION

Distributed By: Bridgepoint Systems, 542 West Confluence Ave, Salt Lake City, Utah 84123

Company Phone Number: 801-261-1282

Emergency Phone Number: 1-800-535-5053 (Infotrac)

Date Prepared: 8-17-05

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Fire: 0 Health: 1 Reactivity: 0

SECTION 2: INGREDIENTS

PRINCIPLE HAZARDOUS INGREDIENTS :

Propylene Glycol (57-55-6) 45-55%

SECTION 3: PHYSICAL DATA

Boiling Point (°F).....222

Freezing Point (°F).....-30

Vapor Pressure (mmHg.)..... N/A

Vapor Density (AIR=1)..... N/A

Solubility in Water.....100%

Specific Gravity(H₂O=1).....1.023

Percent Volatile by Volume... N/A

PH(10.8)

Appearance & Odor.....Clear Liquid

SECTION 4: FIRE, EXPLOSION & REACTIVITY DATA

Flash Point: >200 degrees F

Extinguishing Media: Use what is appropriate for surrounding materials involved in fire.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Stability: Stable

Chemical Incompatibility: Strong oxidizing agents

Hazardous Decomposition or Byproducts: carbon dioxide and carbon monoxide may form when heated to decomposition. Aldehydes or lactic, pyruvic or acetic acids may also be formed.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Flames, ignition sources, and incompatibilities

SECTION 5: HEALTH HAZARD INFORMATION

Route(s) of entry Eyes? Yes Skin? Yes Inhalation? Yes Ingestion? Yes

Health Hazards:

Eyes - May cause slight transient eye irritation. Corneal injury is unlikely.

Skin – Essentially is non-irritating to skin on prolonged contact. Persistent prolonged contact can result in absorption through skin in harmful amounts.

Inhalation - None likely

Ingestion - May irritate stomach and intestines

Carcinogenicity:

NTP? No OSHA? No IARC Monograph? No

SECTION 6: EMERGENCY AND FIRST AID PROCEDURES

Eyes..... Flush with water for 15 minutes. Get medical attention if irritation occurs.

Skin..... Wash with soap and water. Get medical attention if irritation occurs.

Inhalation.. Remove to fresh air. Get medical attention if irritation occurs.

Ingestion... Induce vomiting, if large amounts were swallowed. Get medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Respiratory Protection... Not required if good ventilation is maintained.

Protective Clothing..... Wear gloves.

Eye Protection..... Wear safety glasses.

Ventilation..... Room ventilation normally satisfactory.

Storage..... Store out of reach of children. Keep container closed. Store in cool, dry location.

SECTION 8: SPILL OR LEAK PROCEDURES AND WASTE DISPOSAL

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Discharge of small spills and waste into a waste treatment sewer is only allowable with the explicit pre-approval of the local biological wastewater treatment facility. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

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N/A = Not applicable N/D = Not determined N/E = Not established