



# MATERIAL SAFETY DATA SHEET

Date Issued: 09/07/2007  
 MSDS No: 406000-1  
 Date Revised: 02/01/2010  
 Revision No: 5

2320 - 2321

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 2320 - 2321

### MANUFACTURER

Geocel, LLC  
 P.O. Box 398  
 Elkhart, IN 46515-0398  
**Product Stewardship:** 574-264-0645

### 24 HR. EMERGENCY TELEPHONE NUMBERS

ChemTel - 800-255-3924

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Paste

**IMMEDIATE CONCERNS:** May cause significant eye and skin irritation.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause significant irritation to the eyes.

**SKIN:** May cause significant irritation to the skin.

**INHALATION:** May cause significant pulmonary irritation.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Visual effects may include eye irritation, blurred vision, diplopia, changes in color perception, restriction of visual fields, and complete blindness.

**SKIN:** Irritation of the skin

**INGESTION:** Possible nausea and/or vomiting.

**INHALATION:** Possible headache and/or dizziness

**CHRONIC EFFECTS:** Repeated or prolonged contact may cause chemical burns to the eyes. Frequent or prolonged overexposure may irritate or cause dermatitis.

**CARCINOGENICITY:** This product contains chemicals suspected of being carcinogens by the NTP and IARC.

**ROUTES OF ENTRY:** Inhalation, ingestion, absorption through the eyes and skin

**COMMENTS:** Use in well-ventilated area.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS
Aromatic Hydrocarbons	64742-95-6	265-199-0
Tetrachloroethylene	127-18-4	204-825-9

## 4. FIRST AID MEASURES

**EYES:** Flush with large amounts of water, lifting upper and lower lids occasionally. Seek medical attention.

**SKIN:** Remove contaminated clothing, including shoes, and wash skin with plenty of soap and water. If irritation occurs, seek medical advice. Wash contaminated clothing and shoes before reuse.

**INGESTION:** Do not induce vomiting. Seek medical attention.

**INHALATION:** Move individual to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (118°F) TAG CC

**FLAMMABLE LIMITS:** 1 to 7

**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide (CO<sub>2</sub>), sand.

**EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and be ignited by heat, pilot lights, other flames and ignition sources at locations near or distant from the point of release.

**FIRE FIGHTING EQUIPMENT:** Standard protective fire fighting clothing and breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Wearing the personal protective equipment designated in Section 8, transfer material to appropriate container for disposal.

**LARGE SPILL:** Wearing the personal protective equipment designated in Section 8, carefully contain the spill and transfer to the appropriate container for disposal. Do not discharge to lakes, streams, ponds, or sewers. Dispose of in compliance with local, state, and federal regulations. Ventilate well while cleanup is in process and until fumes dissipate.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Avoid storage at extremes of temperature.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear safety glasses with side shields or goggles when handling this material.

**SKIN:** Chemical resistant protective gloves are recommended.

**RESPIRATORY:** Not required with adequate ventilation.

**WORK HYGIENIC PRACTICES:** Wash hands thoroughly after each use, especially before eating or smoking. Good personal hygiene practices should always be followed.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Paste

**ODOR:** Hydrocarbon odor

**APPEARANCE:** Viscous liquid

**VAPOR PRESSURE:** ~ 3 mmHg

**VAPOR DENSITY:** ~ 4 (Air=1)

**BOILING POINT:** Not Applicable

**MELTING POINT:** Not Applicable

**FLASHPOINT AND METHOD:** (118°F) TAG CC

**EVAPORATION RATE:** < 25 (n-Butyl Acetate=1)

**DENSITY:** 10.21

**SPECIFIC GRAVITY:** 1.230 (water=1)

**(VOC):** 48.951 g/l

**Notes:** VOC content minus water and exempt solvents is less than 4% by weight.

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**INCOMPATIBLE MATERIALS:** Strong Oxidizers

**11. TOXICOLOGICAL INFORMATION**

**EYE EFFECTS:** Irritating to the eyes.

**SKIN EFFECTS:** Irritating to the skin.

**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status
Tetrachloroethylene	2	2A

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** No environmental studies have been carried out on this product.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Combustible Liquid, N.O.S. (in accordance with 49CFR 173.150(f)(2) when transported domestically by ground)

**TECHNICAL NAME:** Combustible Liquid, N.O.S.

**PRIMARY HAZARD CLASS/DIVISION:** None

**UN/NA NUMBER:** None

**PACKING GROUP:** None

**OTHER SHIPPING INFORMATION:** Generators must consult DOT laws and regulations to ensure the product is being transported appropriately.

**SPECIAL SHIPPING NOTES:** DOT Allows, but UPS does not accept, any combustible liquids for air transport.

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** This product poses the following physical and health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** This product contains the following chemical(s) subject to reporting under SARA Title III Section 313: CAS #127-18-4 Tetrachloroethylene

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt. %	CERCLA RQ
Tetrachloroethylene	--	100

**CALIFORNIA PROPOSITION 65:** This product contains the following product on California's Proposition 65 List: CAS# 127-18-4 Tetrachloroethylene.

**16. OTHER INFORMATION**

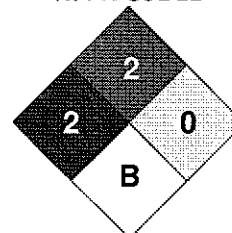
**APPROVED BY:** Technical Staff

**PREPARED BY:** Technical Staff

**REVISION SUMMARY:** Revision #: 5. This MSDS replaces the January 28, 2010 MSDS

**HMIS RATING**

<b>HEALTH:</b>	<b>2</b>
<b>FLAMMABILITY:</b>	<b>2</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>B</b>

**NFPA CODES**

**COMMENTS:** Use this product in a well-ventilated area.