

MATERIAL SAFETY DATA SHEET



Date Issued: 09/07/2007
MSDS No: 406000-1
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Revision No: 2

2320 - 2321

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 2320 - 2321

MANUFACTURER

Geocel Corporation
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 (CO₂), 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): 49.000 g/l

Notes: Less than 4% by weight.

COMMENTS: Minus exempt solvents.

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)

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.

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 #: 2. This MSDS replaces the November 13, 2007 MSDS.

NFPA STORAGE CLASSIFICATION: Health 2, Flammability 2, Physical Hazard 0

HMIS RATINGS NOTES: Health 2, Flammability 2, Physical Hazard 0, PPE B

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