

MATERIAL SAFETY DATA SHEET

Geocel[®]

Date Issue: 09/07/2007
MSDS No: 400000-1
Date Revised: 09/22/2011
Revision No: 9

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 2000

MANUFACTURER

Geocel, LLC
P.O. Box 398
Elkhart, IN 46515-0398
Emergency Phone: 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.

INGESTION: Possible nausea and/or vomiting.

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: Listed by NTP- Listed by IARC- Not listed by OSHA

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye, skin and respiratory disorders.

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

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.

5. FIRE FIGHTING MEASURES

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.

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SENSITIVE TO STATIC DISCHARGE: Grounding and/or bonding is recommended.

SENSITIVITY TO IMPACT: Not Applicable

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

HANDLING: Avoid temperature extremes.

STORAGE: Keep away from sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: Chemical resistant protective gloves are recommended.

RESPIRATORY: Not normally required. Use NIOSH or MSHA approved respirator as appropriate.

PROTECTIVE CLOTHING: Wear clothing that will protect the skin from exposure to this product.

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

DENSITY: 10.58

(VOC): Less than 4% by weight minus exempt solvents.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: This material may cause significant irritation to the eyes.

SKIN EFFECTS: This material may cause significant irritation 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

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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.**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 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

TSCA (TOXIC SUBSTANCE CONTROL ACT)**TSCA REGULATORY:** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.**CALIFORNIA PROPOSITION 65:** This product contains the following product on California's Proposition 65 List: CAS# 127-18-4 Tetrachloroethylene.**COMMENTS** We certify the following substances are not intentionally introduced to this product: barium, beryllium, cadmium, chromium, cobalt, copper, hexavalent chromium, lead, manganese, mercury, nickel, selenium, silver, thallium, titanium, zinc.**16. OTHER INFORMATION****APPROVED BY:** Technical Staff**PREPARED BY:** Technical Staff**REVISION SUMMARY:** This MSDS replaces the 09/20/2011 MSDS. Revised: **Section 5: FLASHPOINT AND METHOD.****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.**MANUFACTURER DISCLAIMER:** Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.