

# MATERIAL SAFETY DATA SHEET

# Geocel<sup>®</sup>

Date Issue: 08/15/2007  
MSDS No: 68121  
Date Revised: 11/03/2011  
Revision No: 5

## 8100 GP

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 8100 GP

**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

**POTENTIAL HEALTH EFFECTS**

**EYES:** Direct contact may cause moderate irritation.

**SKIN:** May cause moderate irritation.

**INGESTION:** Low ingestion hazard in normal use.

**INHALATION:** Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor/aerosol concentrations are attained, central nervous system depression may occur, which is characterized by drowsiness, dizziness, confusion or loss of coordination.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**SKIN:** Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.

**INGESTION:** No known applicable information.

**INHALATION:** No known applicable information.

**ACUTE TOXICITY:** No known applicable information.

**MEDICAL CONDITIONS AGGRAVATED:** No known applicable information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Gasoil - Unspecified - Distillates (petroleum), Hydrotreated Middle	15 - 35	64742-46-7	265-148-2
Ethyl Triacetoxysilane	1 - 5	17689-77-9	241-677-4
Methyl Triacetoxysilane	1 - 5	4253-34-3	224-221-9

**COMMENTS:** The above components are hazardous as defined in 29 CFR 1910.1200.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush with water for 15 minutes. Get medical attention.

**SKIN:** Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.

**INGESTION:** If irritation or discomfort occur, obtain medical advice.

**INHALATION:** Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor/mist/dust/fumes are generated, care should be taken to prevent inhalation. In case of exposure to vapor/mist/dust/fumes, move to fresh air.

**NOTES TO PHYSICIAN:** Symptomatic and supportive therapy as needed.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear full protective clothing including self contained breathing apparatus.

**SENSITIVE TO STATIC DISCHARGE:** Not Applicable

**SENSITIVITY TO IMPACT:** Not Applicable

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: carbon oxides and traces of incompletely burned carbon compounds,

**8100 GP**

silicon dioxide, formaldehyde.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Wearing the personal protective equipment designated in Section 8, carefully contain the spill and transfer it to the appropriate container for disposal. Clean area as appropriate since silicone materials can represent a slip hazard.

**LARGE SPILL:** Wearing the personal protective equipment designated in Section 8, carefully contain the spill and transfer it to the appropriate container for disposal. Ventilate well while clean up is in process and until fumes dissipate. Clean area as appropriate since silicone materials can represent a slip hazard.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Use with adequate ventilation. Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor, mist, dust, or fumes. Keep container closed.

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture. This material in its finely divided form presents an explosion hazard. Follow NFPA 654 or 484 as appropriate for managing dust hazards to minimize secondary explosion potential.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm. Local and general ventilation is recommended.

**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:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

**PROTECTIVE CLOTHING:** Coveralls or apron are important in preventing contamination of skin and clothing.

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

**COMMENTS:** These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Paste

**ODOR:** Acetic acid

**APPEARANCE:** Viscous liquid

**DENSITY:** 8.01

**SPECIFIC GRAVITY:** 0.960 @ 25°C

**(VOC):** 29.000 g/l

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**INCOMPATIBLE MATERIALS:** Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8.

**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD <sub>50</sub> (rat)
Methyl Triacetoxysilane	2060 mg/kg

**EYE EFFECTS:** Direct contact with eyes will irritate.

**SKIN EFFECTS:** Direct contact with skin will irritate.

**12. ECOLOGICAL INFORMATION**

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**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)**

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

**COMMENTS:** Not subject to DOT, TDG, IMDG Code or IATA Regulations.

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

**313 REPORTABLE INGREDIENTS:** This product does not contain toxic chemicals subject to the requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Gasoil - Unspecified - Distillates (petroleum), Hydrotreated Middle	64742-46-7
Ethyl Triacetoxysilane	17689-77-9
Methyl Triacetoxysilane	4253-34-3

**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 does not contain any chemicals on California's Proposition 65 List.

**16. OTHER INFORMATION**

**PREPARED BY:** Technical Staff

**REVISION SUMMARY:** This MSDS replaces the 11/02/2011 MSDS. Revised: **Section 2:** POTENTIAL HEALTH EFFECTS - INGESTION. **Section 3:** Wt.%. **Section 4:** COMMENTS, INGESTION, NOTES TO PHYSICIAN. **Section 5:** AUTOIGNITION TEMPERATURE, FLASHPOINT AND METHOD, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 6:** COMMENTS. **Section 9:** BOILING POINT, FREEZING POINT, MELTING POINT, pH, VAPOR DENSITY, VAPOR PRESSURE. **Section 15:** ACUTE.

**NFPA STORAGE CLASSIFICATION:** Health 2, Flammability 1, Physical Hazard 0

**HMIS RATINGS NOTES:** Health 2, Flammability 1, Physical Hazard 0, PPE B

**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.