

MATERIAL SAFETY DATA SHEET

Geocel[®]

Date Issue: 10/22/2009
MSDS No: 53050 1-B-1
Date Revised: 12/05/2011
Revision No: 5

Roofpatch

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Roofpatch

DISTRIBUTOR

Geocel, LLC
PO 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: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Exposure to high concentrations of fumes may have an anesthetic effect.

POTENTIAL HEALTH EFFECTS

EYES: This product is mildly irritating to the eyes. The effect of prolonged eye contact is not known.

SKIN: May cause irritation. Repeated or prolonged contact may cause dermatitis.

INGESTION: Acute gastrointestinal tract irritation.

INHALATION: Upper respiratory tract irritation. May cause nausea or dizziness. High vapor concentrations can cause central nervous system depression, liver and kidney damage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Asphalt	40 - 70	8052-42-4	
Stoddard Solvent	30 - 60	8052-41-3	232-489-3
Attapulgite clay	3 - 7	12174-11-7	
Cellulose	1 - 5	9004-34-6	232-674-9
1-propanamine, 3-(isodecyloxy)-, Acetate	< 2	28701-67-9	- -
Aromatic Hydrocarbon	0 - 10	64742-95-6	265-199-0
Tetrachloroethylene	--	127-18-4	204-825-9
1,2,4-trimethylbenzene	0 - 4	95-63-6	- -

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes, holding eyelids open at all times. Get medical attention immediately.

SKIN: Wash skin with waterless hand cleaner followed by soap and water. If redness appears, treat it as a sunburn. If redness persists or rash appears, seek medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Prevent aspiration into lungs. Aspiration of even small amounts into lungs may result in aspiration pneumonitis. Seek medical attention immediately.

INHALATION: Remove individual to fresh air, upwind from fume source. If irritation persists seek medical attention immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Class B dry chemical, carbon dioxide, or other suitable extinguishing material such as dry sand. Do not use halogenated agents. When flames have been eliminated, cover residue with dry extinguishing agent or dry sand and allow it to remain undisturbed until it has cooled. If fire appears to increase in intensity, stop using these agents. Apply Class D extinguishing agent or more dry, inert, granular material. Ring fire with extinguishing material and allow the fire to burn out.

FIRE FIGHTING PROCEDURES: If the fire does not respond to agents or if they are not available, use foam or water fog as a last

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resort. Water may also be used to cool exposed, but not burning, containers. These products may float and be re-ignited on top of water.

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

FIRE EXPLOSION: Closed containers may explode in a fire. Keep containers cool and move to a safe location.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILL: Contain spill as quickly as possible. Keep flowing material away from heat, sparks, or open flames. Do not smoke near a spill. Use clay, sand, earth, etc. to absorb the spill. Put material into a suitable steel drum which can be closed securely.

7. HANDLING AND STORAGE

STORAGE: Store away from heat, sparks and open flames. Solvent vapors are heavier than air and may be moved from the source location by ventilation systems to points far away. Do not store near oxidizers. Keep container closed when not in use. Store in a dry, ventilated area. Maintain package labeling during storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Stoddard Solvent	TWA	500	2900	100	572	NL	NL
	STEL					NL	NL
Cellulose	TWA		15T 5R		10		

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: As required if airborne concentrations are above the TLV of 5 mg/m³. If respirators become necessary, use NIOSH approved unit for organic vapor and dusts.

PROTECTIVE CLOTHING: As necessary to prevent wetting of the skin.

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

COMMENTS: Use natural cross ventilation, local pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of heavier than air solvent vapors. Ventilation must be sufficient to maintain solvent vapro concentrations below the TLV.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Hydrocarbon odor

APPEARANCE: Black or dark brown liquid of a heavy consistency.

VAPOR DENSITY: 3.7

BOILING POINT: (325°F)

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: 0.9 (n-Butyl Acetate=1)

DENSITY: 7.93

SPECIFIC GRAVITY: 0.950 (water=1)

(VOC): VOC content is less than 250 g/l.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, various hydrocarbon fragments

INCOMPATIBLE MATERIALS: Strong Oxidizers

11. TOXICOLOGICAL INFORMATION

Roofpatch**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.**PRODUCT DISPOSAL:** Bury in an approved landfill according to federal, state, and local regulations. Empty containers that have been completely emptied and the residue allowed to dry are not considered hazardous waste.**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:** Not regulated in 1, 5, and 55 gallon containers. Regulated as combustible liquids per CFR 172.504. Only bulk shipments must display combustible placards. They must be placed on all four sides of the vehicle.**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:** 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.**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt. %	CAS
1,2,4-trimethylbenzene	0 - 4	95-63-6

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Tetrachloroethylene	--	100

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
Asphalt	8052-42-4
Stoddard Solvent	8052-41-3
Attapulgite clay	12174-11-7
Cellulose	9004-34-6
1-propanamine, 3-(isodecyloxy)-, Acetate	28701-67-9
1,2,4-trimethylbenzene	95-63-6

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, CAS# 12174-11-7 Attapulgite clay and CAS#98-82-8 Cumene.

Chemical Name	Wt. %	Listed
Attapulgite clay	3 - 7	Cancer

COMMENTS This product meets the RoHS guidelines for electronic components and hardware. We certify the following substances are not intentionally introduced to this product: barium, beryllium, cadmium, chromium, cobalt, copper, hexavalent chromium, lead, manganese, mercury, nickel, polybrominated biphenyls, polybrominated diphenyl ethers, selenium, silver, thallium, titanium, zinc.

16. OTHER INFORMATION

APPROVED BY: Technical Staff

PREPARED BY: Technical Staff

REVISION SUMMARY: This MSDS replaces the 11/02/2011 MSDS. Revised: **Section 2:** POTENTIAL HEALTH EFFECTS - EYES. **Section 3:** Wt.%. **Section 4:** INHALATION. **Section 8:** COMMENTS. **Section 9:** DENSITY, SPECIFIC GRAVITY. **Section 13:** PRODUCT DISPOSAL. **Section 14:** SPECIAL SHIPPING NOTES. **Section 15:** CALIFORNIA PROPOSITION 65.

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

HMIS RATINGS NOTES: Health 2, Flammability 2, 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.