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<b>HMIS RATINGS:</b>	Health	2
	Flammability	0
	Physical Hazard	0

**MATERIAL SAFETY DATA SHEET**

Complies with USDL Safety and Health Regulations 29CFR1910.1200

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**SECTION 1 COMPANY AND PRODUCT IDENTIFICATION**

**PRODUCT NAME:** Encap Soil Guard, Concentrate, FT

**COMPANY INFORMATION:**

Polymer Concepts Inc  
7425 Colony Court  
Cumming, GA 30041  
Telephone: 678-802-6018  
Fax: 404-759-2290

**Information Line:** EMERGENCY CONTACT (770) 607-9340

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**SECTION 2 COMPOSITION/INFORMATION ON COMPONENTS**

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>%</u>	<u>OSHA HAZARDOUS</u>
Water	7732-18-5	75-80	No
Non-hazardous polymers	Proprietary	11-14	No
Nonionic Surfactants	Mixture	3-5	Yes
Amphoteric Surfactants	Mixture	4-7	Yes

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**SECTION 3 HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**WARNING:** Causes severe eye irritation or burns. May cause skin irritation. Wear eye and skin protection. Do not get on skin or clothing. If exposed, wash immediately with soap and water and remove contaminated clothing or gear.

**IMMEDIATE HEALTH EFFECTS**

**Eyes:** Direct contact may cause severe irritation to eyes. Damage may be irreversible in severe cases.

**Skin:** May cause irritation. May be severe if contact is prolonged or repeated.

#### **HAZARDS IDENTIFICATION CONT'D**

**Inhalation:** Causes severe irritation of the nose throat, respiratory tract and mucous membranes. Vapor or mist may be harmful in large doses.

**Ingestion:** Causes severe irritation of the gastrointestinal tract and mucous membranes. Swallowing large amounts may be harmful.

**PRIMARY ROUTES OF ENTRY:** Eyes, skin contact, inhalation or ingestion.

**SIGNS/SYMPTOMS OF OVEREXPOSURE:** Irritation to the eyes, nose, throat, skin, and respiratory tract and/or gastrointestinal irritation (nausea, vomiting, diarrhea).

**TARGET ORGAN EFFECTS:** Eyes, skin, respiratory tract

**REPRODUCTIVE/DEVELOPMENTAL INFORMATION:** None known

**CARCINOGENIC INFORMATION:** No IARC, NTP, or OSHA listed carcinogens at or above 0.1%

**LONG TERM EFFECTS:** No data available.

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#### **SECTION 4 FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

**SKIN CONTACT:** Remove contaminated clothing. Flush skin with water for at least 15 minutes. If irritation persists, consult a physician.

**INHALATION:** Remove to fresh air. If respiratory irritation or breathing difficulty develops, consult a physician.

**INGESTION:** Do not induce vomiting. Give 8 to 16 ounces of water to dilute substance. Consult a physician or local Poison Control Center. Never give anything by mouth to an unconscious person.

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#### **SECTION 5 FIRE FIGHTING MEASURES**

**FLASHPOINT (° Fahrenheit):** None (aqueous)

**EXPLOSIVE LIMITS:** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**HAZARDOUS PRODUCTS OF DECOMPOSITION:** In the event of fire, the following may be released: oxides of carbon, nitrogen and sulfur.

**EXTINGUISHING MEDIA:** Water spray, foam, dry chemical powder, or carbon dioxide.

**FIRE FIGHTING INSTRUCTIONS:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. Residues may burn if water is evaporated.

#### **FIRE FIGHTING MEASURES CONT'D**

**NFPA RATINGS:** Health: 2, Flammability: 0, Reactivity: 0

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### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** For small spills, soak up material with an absorbent such as clay, sand, or other suitable material. Dispose of contaminated product, absorbents and rinsates properly.

**LARGE SPILL:** Wear protective clothing as appropriate. Prevent liquid from entering sewers or waterways. Shut off source of leak if it is safe to do so. Dike and contain spilled material. Remove with vacuum trucks or pump to storage/salvage containers. Soak up residue with an absorbent such as clay, sand, or other suitable material. Dispose of contaminated product, absorbents and rinsates properly.

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### **SECTION 7 HANDLING AND STORAGE**

**HANDLING:** Handle and open containers with care. Wear appropriate personal protection gear (see Section 8).

**STORAGE:** Store in a cool, well ventilated place away from incompatible materials. Protect containers from direct sunlight.

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### **SECTION 8 PERSONAL PROTECTION & EXPOSURE CONTROLS**

**EXPOSURE LIMITS:** Not established

**EYE/FACE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses. Consult your safety representative.

**SKIN PROTECTION:** Wear rubber gloves (consult your safety representative). Wear impervious clothing and boots to prevent repeated or prolonged skin contact.

**RESPIRATORY PROTECTION:** Avoid breathing vapors and mists. If significant amounts are generated during processing or use, consult with an Industrial Hygienist.

**ENGINEERING CONTROLS:** Provide sufficient mechanical ventilation (general and local exhaust) to maintain exposure below the level of overexposure from known, suspected or apparent adverse effects.

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### **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Clear, yellow liquid/ ammoniacal odor

**pH:** 7-8

## **PHYSICAL AND CHEMICAL PROPERTIES CONT'D**

**VAPOR PRESSURE:** not known

**VAPOR DENSITY:** heavier than air

**BOILING POINT:** approx 212° F

**SOLUBILITY IN WATER:** completely soluble

**EVAPORATION RATE:** (water = 1) approximately 1

**DENSITY:** approx. 1.1

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## **SECTION 10 STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.

**CONDITIONS TO AVOID:** Avoid contact with excessive heat.

**MATERIALS TO AVOID:** Strong oxidizers or reducing agents

**HAZARDOUS PRODUCTS OF DECOMPOSITION:** In case of fire or extreme heat, the following may be produced: oxides of carbon, sulfur, and nitrogen

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## **SECTION 11 TOXICOLOGICAL INFORMATION**

**ROUTES OF EXPOSURE:** Skin absorption, eye contact, inhalation, and ingestion.

**CARCINOGENITY:** May contain trace levels of ethylene oxide, 1,4 dioxane, dichloroacetic acid, and/or hydrogen peroxide

**TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS:** Not evaluated

**CONDITIONS AGGRAVATED BY EXPOSURE:** No data available.

**SYNERGISTIC MATERIALS:** No data available.

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## **SECTION 12 ECOLOGICAL INFORMATION**

Not evaluated

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## SECTION 13 DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL INFORMATION:** Dispose in accordance with all applicable federal, state, and local regulations.

## DISPOSAL CONSIDERATIONS CONT'D

**RCRA INFORMATION:** Wastes of or containing this material do not meet the definition of any waste code under 40CFR 261. Mixing with other substances may change characteristics to meeting those of hazardous wastes.

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## SECTION 14 TRANSPORT INFORMATION

**US ground:**

Proper Shipping Name: Not regulated  
Hazard Class:  
Identification Number:  
Packing Group:

Not regulated in containers of <119 gal.

**TDG, IATA, ICAO, IMDG information:**

Proper Shipping Name: Not regulated  
Hazard class:  
Identification Number:  
Packing Group:

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## SECTION 15 REGULATORY INFORMATION

### US FEDERAL REGULATIONS

**TSCA Information:** All components are listed, or otherwise are in compliance with TSCA notification requirements.

**CERCLA Reportable Quantities [40CFR302]:** Components with known CAS numbers listed as hazardous substances and subject to reporting: none at or above its RQ in any package

**SARA 302/304 [40CFR355]:** Components listed as extremely hazardous substances and known to be present at or above *de minimus* levels as specified in 40 CFR§355.13: none

<b>SARA 311/312 [40 CFR370]:</b>	Acute	Yes
	Chronic	No
	Fire	No
	Pressure	No
	Reactivity	No

**SARA 313 [40CFR372]:** Components listed as reportable and known to be present at or above *de minimus* levels as specified in 40 CFR§372.38(a): None

## STATE AND LOCAL REGULATIONS

**California Proposition 65:** Contains the following substances known by the State of California to cause cancer and/or reproductive harm: dichloroacetic acid (79-43-6)

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## SECTION 16 OTHER INFORMATION

This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

**End of MSDS**

**EncapSoil-Guard-G - Ingredients List**

CAS No.	Chemical Name	Ingredient Class	Trade Name
Proprietary	Detergent Polymer	Polymeric Detergent	Flexiclean CC-56G
Proprietary	Dispersant Polymer	Dispersant	Flexisperse 220
Unknown	Silicone Emulsion	Anti-foam emulsion	Dow Corning FG-10
002634-33-5	1,2-Benzisothiazolin-3-one	Preservative	Veriguard 19S
7732-18-5	Water	Solvent	NA