



SoilChem

SAFETY DATA SHEET

SoilPak-250

Section 1: Product & Company Identification

Product Name: SoilPak-250
Product Use: A water-based nonhazardous & environmentally friendly soil stabilization.

Company: **Corporate Address:**
SoilChem, LLC
117 Snow Drive
Newcastle, OK 70365
405-401-7613

Phone Number: **Contact Infotrac: 1-800-535-5053**

S.D.S. Revision Date: July 1., 2019

Section 2: Hazards Identification

Classification of the substance or mixture:



GHS07

Health Environmental Physical: Biodegradable

Acute Toxicity: Non-Toxic, pathogen free.

Skin/Eye Corrosion: Contact with skin may result in mild irritation.

Mutagenicity/ Carcinogenicity/Developmental: Non-mutagenic and non-carcinogenic. None of the ingredients in SoilPak-250 are regulated nor listed as potential cancer agents by Federal OSHA, NTP or IARC.

Reproductive/Developmental: Not Determined

Target Organ Toxicity (Repeated): Not Determined

Toxicity: Non-Toxic, pathogen free

Section 3: Composition/ Information on Ingredients

Chemical Characterization: Mixture

Description: Mixture of the substances listed below with non-hazardous additions.

| <u>Ingredients:</u> | <u>Wt. %</u> | <u>CAS No.</u> |
|--------------------------|--------------|----------------|
| Water | 20-40 | 7732-18-5 |
| Non-ionic Surfactants | 5-10 | 68131-39-5 |
| Trade Secret Ingredients | 50 | |



Section 4: First-Aid Measures

Eye: A slight eye irritant.

Skin: Contact with skin may result in mild irritation.

Inhalation and Ingestion: Considered non-harmful by all exposure routes.

Signs and Symptoms of Exposure: None. Ingestion may cause mild nausea or diarrhea.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: Treat the same as water.

Fire Fighting Procedures: Isolate fire area and deny unnecessary entry, Soak thoroughly with water to cool and prevent re ignition. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical hazard may result from forceful application of fire extinguishing agents.

Section 6: Accidental Release Measures

PPE: *Eye:* Safety goggles

Respirator: Not applicable

Clothing: Regular on-Site clothing

Emergency Procedures: In case of accidental spill or discharge, take up and containerize for disposal according to state and local regulations. This product displays ultimate biodegradability under both aerobic and anaerobic conditions and if spilled should not cause any adverse short or long term environmental impacts. Ventilation requirements as normal

Methods and Materials For Containment and Cleaning Up: For smaller spills, Wash contaminated area with water and flush into sewage system or any other disposal system. For large spills, soak up with sand or sweeping compound and dispose at solid waste

Section 7: Handling & Storage

Handling: Keep container closed when not in use.

Storage: Storage Temperature (Degrees C/F) Minimum: 10oC (50oF) Maximum: 30oC (86oF) Application Temperature: Minimum: 10oC (50oF) Maximum: 57oC (135oF) Optimum Working Temperature Range: 18-45oC (64-113oF)

Section 8: Exposure Controls/ Personal Protection

OSHA PEL's: Not Applicable

Exposure Limits: SoilPak-250 presents no health hazards to the user, other than mild eye and skin irritancy.

Engineering Controls: No specific engineering controls needed, it is recommended to handle concentrated product in a well ventilated area.



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PPE:

Eye Protection: Safety goggles, avoid eye contact or exposure to concentrated amounts of product

Skin Protection: Regular on-Site clothing, rinse from skin when exposed to product.

Respiratory Protection: Respirator: Not applicable, ventilation as normal.

Section 9: Physical & Chemical Properties

| | |
|---|----------------------------------|
| Flashpoint: | Not flammable; not combustible |
| Auto Ignition: | None |
| Boiling Point: | >100 °C |
| Melting Point: | Liquid |
| Freezing Point: | <0 °C |
| Vapor Pressure: | As for water |
| Miscibility with water: | Miscible in all proportions |
| Solubility in Water: | Soluble |
| Lower and Upper Flammability Limits: | Not flammable |
| Specific Gravity: | 1.25 @ 25 °C |
| Vapor Pressure: | As for Water |
| pH: | 3 to 6 |
| Ultimate Biodegradability: | DOC reduction >90% after 28 days |
| Appearance: | Brown slightly viscous liquid |
| Odor: | Sweet |

Section 10: Stability & Reactivity

Stability/ Incompatibility: Stable for a minimum of two years when stored in proper conditions (see above section 7)

Hazardous Reactions/Decomposition: Not determined

Products Reactivity: Not determined

Chemical Stability: Stable

Conditions To Avoid: Storage above 50°C (120°F) or below 0°C (32°F). Avoid contact with strong oxidizing and reducing agents.

Incompatible Materials: None

Hazardous Decomposition Products: Not determined, None

Section 11: Toxicological Information

Signs, Symptoms of Over Exposure and First Aid Treatment:

Eye Contact: Reddening may develop. Immediately rinse the eye with large quantities of cool water. Continue 10-15 minutes or until material has been removed. Be sure to remove contact lenses, if present, and lift upper and lower lids during rinsing. Get medical attention if irritation persists.

Skin Contact: Minimal effects, if any. Rinse skin with water. Rinse shoes and launder clothing before reuse.

Swallowing: Essentially non-toxic. Product may cause a slight laxative condition. Give several glasses of water to dilute if swallowed.

Do not induce vomiting. If stomach upset persists, consult a physician.



Inhalation: Non-toxic. Prolonged exposure to product in a mist form (not recommended) could cause a mild irritation of the nasal passages and throat. Remove to get fresh air. Get medical attention if irritation persists.

Section 12: Ecological Information

Bio Accumulative Potential:

The product exhibits ultimate biodegradability under anaerobic conditions as defined by US EPA methods (40 CFR part 796.3180).

Section 13: Disposal Considerations

See section 6

Section 14: Transportation Information

This product is non-toxic, transport in conditions described in section 7 above.

INTERNATIONAL AIR TRANSPORTATION ASSOCIATION: this product is not regulated by IATA, when shipped internationally.

Section 15: Regulatory Information

SARA/TITLE III – CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 304.4): This product does not contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304.

SARA/TITLE III – List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product **does not** contain an ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

SARA/TITLE III – List of Toxic Chemical subject to Release Reporting (Community Right to Know) (40 CFR 372): This product **does not** contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

Section 16: Other Information

This product's safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. *All materials in this product are produced in compliance with Public Law 94-469 (also known as the "Toxic Substances Control Act" of 1976).*