



GUARDIAN

SECTION 1: IDENTIFICATION	
Brand Name:	Pharmgrade
EPA Registration #:	Exempt
Product Name:	GUARDIAN
Chemical Description:	Soil Amendment
Recommended Uses:	Soil Amendment – See product label for full directions for use.
Restrictions for Use:	See product label for any potential restrictions on use.
Distributed By:	
Biorem Inc P. O. Box 1801 Idaho Falls, ID 83401	
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Dark brown liquid with musky, citric fermented smell. Exposure could lead to eye irritation and or respiratory discomfort.	
POTENTIAL HEALTH EFFECTS:	
Eyes and Skin: Contact with eyes or skin could lead to irritation.	
Inhalation: Inhaling may cause breathing discomfort.	
Preexisting Conditions: Preexisting respiratory conditions may be aggravated by exposure to dust.	
Chronic Health Effects: None known.	
Carcinogenicity:	NTP: Not listed IARC: Not listed
SIGNAL WORD: None	
Pictogram: None	
HAZARD STATEMENTS: None	
Percent of product with unknown toxicity: None	
PRECAUTIONARY STATEMENTS:	
Prevention:	Wash hands thoroughly after handling. Avoid unnecessary contact with skin and eyes. Avoid breathing dust. Avoid activities such as eating, drinking or smoking while using this product.
Response:	Eyes: Flush eyes with plenty of water. Ingestion: Rinse mouth. Drink Plenty of water. If you feel unwell, call a poison control center or seek medical attention. Inhalation: Remove to fresh air. Seek medical attention if breathing trouble develops. Skin: Wash with soap and water.
Storage:	See Section 7 for storage information.
Disposal:	See Section 13 for disposal information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
No hazardous ingredients present; not hazardous to humans, animals, or plants.

*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).

See Section 8 for exposure limits.

SECTION 4: FIRST AID MEASURES

Skin: Wash with soap and water.

Eyes: Flush with fresh water.

Inhalation: Remove to open and well-ventilated area.

Ingestion: Drink fresh water

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Chemical type foam, Dry Chemical, Carbon dioxide, Dry chemical, Water fog or jet

Unsuitable Extinguishing Media: None

Special Fire Fighting Procedures: None.

Unusual Fire and Explosion Hazards: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Environmental Precautions: None

Methods for Containment: Contain spill with mop or absorbent material

Methods for Clean-up: Sweep up absorbent material and dispose. Dispose of mopped up material in sewer.

SECTION 7: HANDLING AND STORAGE

Handling:

Storage: Store in cool, dry area. Keep out of reach of children. Store in a ventilated container during warm temperatures to release gases generated.

Minimum Storage Temperature: Store at room temperature.

Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: Follow first aid instructions. Seek medical attention or contact poison control.

Respiratory Protection: If mist is present, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates.

Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

Protective Gloves: Wear gloves as needed

Eye Protection: If mist is present, wear safety glasses with side shield.

Other Protective Clothing or Equipment: Normal clean work clothing. Eyewash fountain in area.

Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene

Exposure Limits: NA

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	liquid	Specific Gravity (H₂O=1):	Not Determined
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gal):	83-94

Vapor Density (Air=1):	Not applicable	Melting Point/Freezing Point:	Not determined
Solubility:	In water	Boiling Point/Range:	Not determined
Viscosity:	Not applicable	pH (5% solution):	Not Determined
Appearance and odor:	Brown liquid. Musky, citric fermented odor	Flash Point:	Not flammable

SECTION 10: STABILITY AND REACTIVITY
Reactivity: None under normal conditions
Chemical Stability: Stable no toxic fumes
Possibility of Hazardous Reactions: Will not occur
Conditions to Avoid: Avoid excessive heat.
Incompatible Materials: None known
Hazardous Decomposition Products: None; Biodegradable

SECTION 11: TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY	Not acutely toxic.
Eye Effects:	Contact with eyes could lead to mild irritation.
Skin Effects:	Not acutely toxic by dermal exposure
Acute Inhalation Effects:	Inhaling may lead to breathing trouble.
Acute Oral Effects:	Not acutely toxic by oral
Specific Target Organ Toxicity:	None known
CHRONIC TOXICITY	Not chronically toxic.
Chronic Effects:	None known.
Carcinogenicity:	No component is anticipated to have carcinogenic effects.
Mutagenicity:	No component is anticipated to have mutagenic effects.
Teratogenicity:	No component is anticipated to have teratogenic effects.
Reproductive Toxicity:	No component is anticipated to have effects on the reproductive system.
POTENTIAL HEALTH EFFECTS:	
Eyes and Skin: Contact with eyes or skin could lead to irritation.	
Inhalation: Inhaling dust may be harmful and lead to breathing trouble.	
Ingestion:	
Preexisting Conditions: Preexisting respiratory conditions may be aggravated by exposure to dust.	
Chronic Health Effects: None known.	

SECTION 12: ECOLOGICAL INFORMATION	
ENVIRONMENTAL SUMMARY: This product is not known to have acute or chronic toxic effects on aquatic organisms. As a precaution, keep out of waterways, sewers, and bodies of water. Large quantities can kill vegetation.	
ECOTOXICITY DATA:	
Fish Acute and Prolonged Toxicity:	Not determined
Aquatic Invertebrate Acute Toxicity:	Not determined
Aquatic Plant Toxicity:	Not determined
Bird Acute and Prolonged Toxicity:	Not determined
Honeybee Toxicity:	Not determined
ENVIRONMENTAL EFFECTS:	
Soil Absorption/Mobility:	Not determined
Persistence and degradability:	Not determined
Bioaccumulative Potential:	Not determined
Other adverse effects:	Not determined

SECTION 13: DISPOSAL CONSIDERATIONS	
Waste: Use or recycle. As the product is a fertilizer, use as fertilizer following good agronomic practices or consult local authorities. Dispose of in accordance with applicable Federal, state and local laws and regulations.	
Container: Ensure all product has been emptied from the sack/bag. Dispose of emptied container in accordance with applicable Federal, state and local laws and regulations.	
RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.	

SECTION 14: TRANSPORT INFORMATION	
DOT: (Ground)	This product is not regulated by the U.S. Department of Transportation.
IMDG: (Sea)	This product is not regulated by the IMDG.
IATA: (Air)	This product is not regulated by the IATA.
TDG: (Canada)	Not determined.

SECTION 15: REGULATORY INFORMATION	
OSHA:	This product is not regulated by OSHA.

SECTION 16: OTHER	
Disclaimer: The information presented herein is based on available data from reliable sources and is correct to the best of Biorem's knowledge. Biorem Inc makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.	