



SECTION 1: PRODUCT IDENTIFICATION

Product Name	REGENERATOR
Other Identification	None
Recommended Use	Soil conditioner, wetting agent
Restrictions on Use	Not available
Supplier Details	Earthcraft Biosystems, 5420 Beckley Rd, STE A #116 Battle Creek, MI 49015 earthcraftbiosystems.com
Emergency phone number	USA: 800-321-6742 (OSHA) ; 800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Product Definition	Quillaja saponaria wood extract liquid and Yucca schidigera extract liquid
Classification	Eye.Irr.2 , Skin.Irr.2
Label Elements	None
Signal Word	Warning
Precautionary Statements:	Causes eye irritation, skin irritation
Prevention	Keep out of reach of children and pets. Do not inhale or ingest. Wash hands after use.
Response	If swallowed, do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. In all cases call a physician.
Storage	Store in a cool, dry well-ventilated location.
Disposal	Dispose of contents and container in accordance with local, regional, and national regulations
Other Hazards	None known

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Percentage	Hazardous
Quillaja <i>saponaria</i> wood extract liquid	68990-67-0	Not more than 55 %	No
Yucca <i>schidigera</i> extract liquid	223749-05-1	Not less than 45 %	No

SECTION 4: FIRST AID MEASURES

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Exposed persons should be kept under medical observation for 24 hours. Inhalation is not a normal route of exposure.
Skin Contact	No emergency care is anticipated. Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Cold water may be used. Get medical attention if discomfort persists.
Eye Contact	No emergency care is anticipated. Wash skin with soap and water. Remove contaminated clothing. Wash clothing before reuse. Obtain medical attention if irritation persists.
Ingestion	Treat systematically. Not expected to be toxic by ingestion.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media	Not applicable because not a flammable liquid.
Products of Combustion	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

Special Fire Fighting Instructions

Irritant, nonflammable, water soluble, upon contact with water pressure generates foam. Do not inhale gases created by fire.

Special Information

None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Prevent entry to sewers, basements, or confined areas; dike if needed. Floors may be slippery and use care to avoid falling. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

SECTION 7: HANDLING AND STORAGE

Never use pressure to empty containers. Protect against physical damage. Store in a cool, dry well-ventilated location. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Containers of this material are non-hazardous when empty.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits	Not normally needed. Ventilation is not normally required. If there is a large spill, wear an appropriate organic filter mask to reduce lung irritation.
Skin Protection	Not normally needed. Wear appropriate protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to minimize skin contact when handling large quantities.
Eye Protection	Not normally needed. Wear appropriate chemical safety glasses or goggles and/or a full face shield where splashing is possible.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, dark brown to reddish
Odor	Bittersweet
Odor Threshold	Not available
pH	3.9 ± 0.2
Melting/Freezing Point	Not available
Initial Boil Point/Range	> 230°F
Flash Point	> 230°F
Evaporation Rate	Not available
Flammability (Solid, Gas)	Non-flammable
Upper/Lower Flammability or Exposure Limits	Not applicable
Exposure Limits	Not applicable
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	≥ 1.170
Solubility	Soluble in water
Partition Coefficient, n-octanol/Water (Log/Kow)	Not available
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products	None known.
Hazardous Polymerization	Will not occur.
Incompatibilities	None known.

Conditions to Avoid None.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation	May cause irritation.
Skin Contact	May cause irritation.
Eye Contact	May cause irritation.
Ingestion	May cause irritation.

SECTION 12: ECOLOGICAL INFORMATION

Eco Toxicity	This product under normal dilution to drains, sewers, and treatment plants is not considered environmentally harmful.
Persistence and Degradability	Not available.
Bioaccumulative Potential	Not available.
Mobility in Soil	This product is water soluble and may disperse in soil.
Other Adverse Effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Rinse packaging and dispose of packaging and product in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

No limitations to transport known

Product is not flammable, not corrosive, not explosive and not radioactive.

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations

USA

Toxic Substances Control Act (TSCA)

Ingredients are either listed on the TSCA Inventory or exempt.

SECTION 16: OTHER INFORMATION

NFPA Ratings	Health: 0 Flammability: 0 Reactivity: 0
Label Hazard Warning	Non-hazardous.
Label Precautions	None
Label First Aid	If swallowed, do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. In all cases call a physician.
Product Use	Soil conditioner, wetting agent
Effective Date	August 2022
Revision Information	MSDS Section(s) changed since last revision of document include: 0
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