



SHRED-IT™
POWERAG™

SAFETY DATA SHEET

according to Federal Register Vol. 77, No. 58
Monday, March 26, 2012
Rules and Regulations
SDS Date: October 24, 2022

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Shred-It

1.2. Recommended use of the chemical and restrictions on use

Recommended use: Microbial solution

1.3. Chemical name, family, and formula

Chemical name: Proprietary mixture

Chemical family: Microbial solution

Chemical formula: Mixture

1.3. Details of the supplier of the safety data sheet

PowerAG

2213 Leabrook Road, Lancaster PA 17601

1-800-842-2578 powerag.com

1.4. Emergency telephone number

Emergency number: 1-800-424-9300 ChemTrec

SECTION 2: HAZARDS IDENTIFICATION

2.1. GHS ratings

Toxicity categories: None

Signal word: None

Hazard symbol: None

2.2. GHS hazards

None classified

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200: This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard (29CFR 1910.1200).

Precautions:

P102 Keep out of reach of children.

P103 Read label before use.

P233 Keep container tightly closed.

P234 Keep only in original container.

P261 Avoid breathing spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P281 Use personal protective equipment as required.

P301+312 If swallowed: Call a POISON CENTER or physician if you feel unwell.

P302+352 If on skin: Wash with plenty of soap and water.

P304+340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixture

Ingredient	CAS No	Weight-%
Non-pathogenic, naturally occurring microorganisms		
Nutrient solution		< 3%

NOTE: Product does NOT contain any pesticides or pest control agents

Section 3 notes: These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.

Carcinogenicity

OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Have the product container with you when calling a poison control center or doctor or going for treatment.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing for several minutes.

If on skin or clothing: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes.

If swallowed: Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person.

If inhaled: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration.

4.2. Notes to physicians or first aid providers:

4.3. Section 4 notes

None

SECTION 5: FIRE-FIGHTING MEASURES

5.1. NFPA Hazard Classification

Health: 1 **Flammability:** 1 **Reactivity:** 0 **Other:** –

5.2. Circumstances and procedures

In case of fire: Foam, dry chemical, CO₂, or water

Special fire-fighting procedures: Use self-contained breathing apparatus with fighting any fire in an enclosed area.

Unusual fire and explosion hazards: Burning may produce toxic fumes, carbon monoxide, carbon dioxide.

Hazardous and decomposition: During combustion, oxides of carbon.

5.3. Section 5 notes

None

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Accidental release measures

Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Flush spill area with water. Prevent liquid entering sewers. If slipperiness remains apply more dry-sweeping compound. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

6.2. Section 6 notes

None

SECTION 7: HANDLING AND STORAGE

7.1. Handling

Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use personal protective equipment as required.

7.2. Storage

Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. Two-year shelf life when stored in a cool location. No refrigeration required. STORE BETWEEN 40° AND 90 °F.

7.3. Section 7 notes

None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure guidelines

	OSHA		ACGIH		NIOSH	
	PEL	STEL	PEL	STEL	PEL	STEL
N/A	N/A		N/A		N/A	

8.2. HMIS=B: Individual protection measures, such as personal protective equipment

Ventilation: Normal room ventilation (mechanical) or outdoor use should be satisfactory.



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Respiratory protection: Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

Eye/face protection: Safety glasses

Skin and body protection: Chemical gloves, long-sleeved shirts and pants.

Other protective clothing or equipment: Eye wash and safety shower should be easily accessible.

Work hygienic practices: Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

Exposure guidelines: If exposed, see section 4 for acute exposure first aid.

8.3. Section 8 notes

None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Liquid

Odor: Mild odor

Odor threshold: Not known

Physical state: Liquid

pH as supplied: 5– neat

pH (other):

Initial boiling point: F: Unknown | C: Unknown

Boiling point range: F: Unknown | C: Unknown

Melting point: F: Unknown | C: Unknown

Freezing point: F: Unknown | C: Unknown

Flash point: F: >200 | C: >93

Method used: PMCC

Flammability (solid, gas): Can burn

Flammable limits in air (% by volume):

Upper: Known | **Lower:** Unknown

Vapor pressure (mmHg):

@ F: Unknown | C: Unknown

Vapor density (Air=1):

@ F: Unknown | C: Unknown

Density: 9.54 lbs/gal

Evaporation rate: Unknown

Basis (butyl acetate=1):

Solubility in water: Soluble

Partition coefficient: (n-octanol/water): Unknown

Auto-ignition temperature: Unknown

Decomposition temperature: Unknown

Viscosity: @ F: Unknown | C: Unknown

9.2. Section 9 notes: Values are not product specifications

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

SECTION 10: STABILITY AND REACTIVITY

10.1. Stability

Stable

10.2. Conditions to avoid (stability)

None known

10.3. Incompatibility (material to avoid)

None known

10.4. Hazardous decomposition or by-products

CO₂, O₂

10.5. Hazardous polymerization

Will not occur

10.6. Conditions to avoid (polymerization):

None known

10.7. Section 10 notes

None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Toxicological information

Beneficial, naturally occurring microbial species:

Bacillus licheniformis: 8.3×10^9

Bacillus coagulans: 8.3×10^9

Bacillus subtilis: 8.3×10^9

Bacillus pumilis: 8.3×10^9

Bacillus megaterium: 8.3×10^9

Bacillus amyloliquefaciens: 8.3×10^9

Bacillus laterosporus: 8.3×10^9

Bacillus macerans: 8.3×10^9



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11.2. Mature toxicity

Not expected to be a health hazard.

11.3. Component toxicity

Not available

11.4. Section 11 notes

None

SECTION 12: ECOLOGICAL INFORMATION

12.1. Ecological information

None

12.1. Ecotoxicity

Not available

12.1. Bioaccumulative potential

Not available

12.1. Mobility in soil

Not available

12.1. Other adverse effects

Not available

12.1. Section 12 notes

None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal method: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

Container disposal: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

13.2. RCRA hazard class

None

13.3. Section 13 notes

None

SECTION 14: TRANSPORT INFORMATION

14.1. U.S. Department of Transportation

14.2. DOT shipping description

Not regulated.

14.3. U.S. surface freight classification

ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

14.4. Other agencies

None

14.4. Section 14 notes

None

SECTION 15: REGULATORY INFORMATION

15.1. U.S. federal regulations

TSCA (Toxic Substance Control Act): Mixture not listed or excluded from listing.

CERCLA (Comprehensive Response Compensation and Liability Act): Not regulated

SARA Title III (Superfund Amendments and Reauthorization Act): Not regulated

311/312 Hazard categories: Not regulated

313 Reportable ingredients: None

15.2. International regulations

None



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15.3. Section 15 notes

None

SECTION 16: OTHER INFORMATION

16.1. Other information

None

16.2. Disclaimer

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

SDS Date: 10/24/2022