

Z-HUME



Safety Data Sheet

29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Z-HUME

Product Use: Z-Hume is a garden nutrient drench designed to decompose residue.

Company: International Ag Labs
P.O. Box 788
800 W. Lake Ave.
Fairmont, MN 56031
PH: 507-235-6909

Emergency Response: 80-658-2481

Section 2: Hazards Identification

GHS07

BLANK

BLANK

BLANK

Hazard Pictograms:



Signal Word: WARNING

Hazard Category: Skin corrosion/irritation Cat 2
Serious eye damage/eye irritation Cat 2
Specific target organ tox, single exp. Cat 3 (resp irrit)

Hazard Statements: H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary Statements: P102+P103: Keep out of reach of children. Read label before use.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling
P271: Use only outdoors or in a well-ventilated area
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P352+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell
P321: Specific treatment (see supplemental first aid instructions on this label)
P332+P313: If skin irritation occurs: get medical advice/attention.
P337+313: If eye irritation persists get medical advice/attention
P362: Take off contaminated clothing and wash before reuse
P403+P233: Store in a well ventilated place. Keep container tightly closed.
P405: Store locked up
P501: Dispose of contents/container in accordance with local/national/international rules.

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Liquid Humate	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Specific target organ toxicity - single exposure 3, H335	68514-28-3	3%
Water	No phrases apply. No data available.	7732-18-5	97%

Section 4: First Aid Measures

If ingested: Drink copious amounts of water. Seek medical advice.

If inhaled: Move to fresh air.

Eye contact: Immediately irrigate with water or neutral saline solution for 15 minutes. Consult a physician.

Skin contact: Wash affected area with mild soap and water. Get medical attention if irritation persists or develops.

First Aid Facilities: Water or neutral saline solution for eye wash.

Advice to Doctor: Treat symptomatically

Section 5: Fire Fighting Measures

Fire/Explosion Hazard: If safe to do so, move undamaged containers from fire area.

Suitable Use extinguishing media suitable for surrounding fire situation.

Extinguishing Media:

Precautions for Fire Fighters and Special Fire fighters to wear self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

Equipment:

Section 6: Accidental Release Measures

Emergency Procedures: Very low hazard product. If product spills onto floors it will represent a slip hazard, walk cautiously. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this SDS. (see Section 8).

Methods and Materials for Assess situation, if possible, use a wet-dry vacuum system and collect all the spill, if the site of the spill is not contaminated with other chemicals, then consider using the collected spill, suitably

Containment and Cleanup Procedures: diluted on vegetation, plants and trees. Otherwise, if a large spill occurs, bund area, throw absorbent (diatomaceous earth or other inert material) on top of spill, ALLOW TO ABSORB, then shovel up and seal in properly labeled containers for disposal. Prevent direct discharge into watercourses or lakes due to high BOD. If this does occur, inform Local Authorities at once.

Section 7: Handling and Storage

Safe Handling Precautions: Very low hazard product, do not store for long periods at -10°C - 40°C. Store in a cool place and out of direct sunlight. For further information please refer to the Engineering Controls of this SDS.

Recommendations for Storage: Keep containers tightly closed, when not using this product. Store in original packages as approved by manufacturer. Avoid microbiological contamination.

Section 8: Exposure Control / Personal Protection

Exposure Controls: No exposure standards have been assigned by [NOHSC] for this product or any of the components.

General / Engineering Controls: Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

Controls:

Work Clothing: Full suit.

Eye/face protection: Wear safety goggles with side shields.

Skin Protection: Gloves are recommended.

Respiratory Protection: Natural ventilation is adequate.

Protection:

Section 9: Physical and Chemical Properties

State: Liquid	Melting Point: Not avail	Freezing Point: Not avail
Color: Black	Boiling Point/Range: Unknown	pH: >8.0
Sp Grav: Not avail	Odor: Slight Ammonia	Water Solubility: 100%
Evaporation rate: Not avail	Flash Point: Not avail	Part. Coeff (n-octanol/water): Not avail
Upper Flam Limits: Not avail	Lower Flam Limits: Not avail	Vapor Pressure: Not avail
VOC Content (lbs/gal): 0	Viscosity: Not avail	Autoignition Temp: Unknown

Section 10: Stability and Reactivity

General: This product is stable under normal conditions of use and storage.

Microbiological Stability: Stable unless diluted with >5% water when yeast, mould and some harmless bacterial (e.g. Lactobacillus spp.) growth may occur in warm temperatures. Pathogens will not grow in undiluted product due to its high osmotic pressure and low water activity.

Materials to Avoid: Neutralization reaction will occur if exposed to acidic materials.

Hazardous Decomposition products: At extreme temperatures, CO, an oxidation product, may be evolved.

Polymerization: Will not occur.

Section 11: Toxicological Information

No adverse health effects are expected, if the product is handled in accordance with the Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

Acute Health Effects: Ingestion: Swallowing large quantities may cause irritation, leading to pains in the stomach, nausea, vomiting and possible diarrhea.

Eyes: May cause mild irritation to the eyes.

Skin: May cause mild irritation to the skin.

Inhalation: Mists from the product may cause mild irritation.

ChronicHealth Prolonged exposure may cause drying and potential redness of the skin in some susceptible
Effects: individuals.

Section 12: Ecological Information

General Information: There is no ecological information available for this product, however large quantities should not be discharged into drains, sewers or waterways. Due to its high BOD, accidental discharge of large quantities into rivers or lakes will cause temporary algal growth ('bloom') and dissolved oxygen reduction with possible deleterious effects on fish.

Section 13: Disposal Information

General Information: Z-Hume is non-toxic and safe to use as recommended by the manufacturer's instructions. Instead of disposal, consider the environment and use to nurture all vegetation and trees.

Section 14: Transport Information

Shipping Name: Z-HUME

Section 15: Regulatory Information

Section 16: Other Information

SDS Author: International Ag Labs

Version Date: 6/10/2015

Disclaimer: This information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. No representations, warranty or guarantee is made as to its accuracy, reliability or completeness. No warranty of fitness for any particular purpose or any other warranty, express or implied is made concerning the information herein provided.