

MSDS SHEET

1. PRODUCT IDENTIFICATION

PRODUCT NAME: HYDROLITE™

CHEMICAL NAME: Potassium-calcium-magnesium-aluminosilicate charged with dolomite, potassium carbonate, fish meal, seaweed extract, magnesium sulfate & humic acid.

2. COMPANY IDENTIFICATION:

COMPANY NAME: American Agritech, D.B.A. Botanicare

MAILING/PHYSICAL ADDRESS: 6858 W. Chicago St #3, Chandler, AZ 85226

PHONE NUMBER: 877.753.0404 (toll free); 480.777.2000 (local)

FAX NUMBER: 480.777.2015

WEBSITE: www.botanicare.com

3. HAZARDOUS INGREDIENTS AND HEALTH HAZARD DATA

HAZARDOUS INGREDIENTS: May contain 0.07-0.10% Free Silica.

ROUTE OF ENTRY: Inhalation

HEALTH HAZARDS: Granular powder, airborne dust particles are irritating to respiratory tract. Contact with eyes and skin may cause irritation. May be harmful if inhaled. Clinoptilolite with a particle size in the respiratory range was tested for carcinogenicity in rats by intratracheal instillation. No significant increase in the incidence of tumors was found. Hazard Symbols for this product: Xn.

HAZARDOUS COMPONENTS: Clinoptilolite Zeolite / potassium, calcium, sodium, aluminosilicate, hydrated (a)

PERCENT BY WEIGHT: 100%

CAS #: 12173-10-3

EINECS #: Not found

HAZARD SYMBOL: Xn

RISK PHRASES: R 20, 36/37/38

CARCINOGENICITY:

NTP? No.

IARC Monographs? No.

OSHA Regulated? No.

4. FIRST AID MEASURES:

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin or eye contact, swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE:

Inhalation: Coughing, irritation of respiratory tract.

Eye Contact: May moderately irritate eyes.

Skin Contact: May irritate damp skin.

Swallowed: Swallowing may result in abdominal discomfort.

CHRONIC EFFECTS OF EXPOSURE: No specific information available.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

IF INHALED: Remove to fresh air, rinse mouth and nasal passages with fresh water. Seek medical attention if irritation persists.

IN CASE OF EYE CONTACT: Check for and remove contact lenses. Flush eyes with running water for 15 minutes. Seek medical attention if irritation persists.

IN CASE OF SKIN CONTACT: Wash skin with lots of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.

IF SWALLOWED: Do not induce vomiting. Consult a physician.

5. PHYSICAL AND CHEMICAL CHARACTERISTICS:

PHYSICAL FORM: Granular powder

MELTING POINT: 1800 F

BOILING POINT : N/A

FREEZING POINT: N/A

VAP PRESSURE: N/A

VAP DENSITY: N/A

SOL IN WATER: 0

SPECIFIC GRAVITY: 2.2-2.4

EVAPORATION RATE: N/A

APPEARANCE: White, to off white with dark specks

ODOR: Slight organic odor

6. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: N/A

METHOD USED: N/A

FLAMMABLE LIMITS:

LFL: N/A

UFL: N/A

EXTINGUISHING MEDIA: This product is not combustible. Use any appropriate medium for extinguishing surrounding fires.

7. REACTIVITY DATA:

STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Water of crystallization from applicable components driven off at approximately 235° Fahrenheit / 113° Celsius.

MATERIALS TO AVOID: Charged solution can be corrosive to metals. Avoid strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

8. SAFE HANDLING AND USE:

ACTION TO TAKE FOR SPILLS OR LEAKS: Physical clean up is required only to prevent sediment to surface water courses, depending upon the size of the product. This product will not react or release any harmful substance to the environment. Wear protective equipment, including rubber boots, rubber gloves, rubber apron and chemical goggles. For small spills, sweep up and dispose of in DOT-approved waste containers. Comply with all applicable governmental regulations on spill reporting, and handling and disposal of waste.

WASTE DISPOSAL METHOD: Spills should be cleaned up in a manner that minimizes the generation of dust as a potential nuisance, or may be dispersed of in any garden areas, lawn or landfill.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid breathing dust, may irritate the respiratory tract.

OTHER PRECAUTIONS: None

9. EXPOSURE CONTROL MEASURES:

VENTILATION: Local mechanical exhaust ventilation at the point of use to avoid nuisance dust and possible irritation.

RESPIRATORY PROTECTION: OSHA-Approved dust and vapor respirator or mask in the absence of adequate environmental controls at the point of use to avoid nuisance dust and possible irritation.

PROTECTIVE CLOTHING: Long-sleeved shirt, trousers, safety shoes and gloves. May cause drying of skin with prolonged contact.

EYE PROTECTION: Safety glasses or goggles should be worn to prevent dust from entering eyes.

OTHER PROTECTIVE MEASURES: Dust Respirator. An eyewash and safety shower should be nearby and ready for use.

10. ECOLOGICAL CONSIDERATIONS

WATERFOWL TOXICITY: N/A

AQUATIC TOXICITY: N/A

FOOD CHAIN CONCENTRATION POTENTIAL: N/A

BIOCHEMICAL OXYGEN DEMAND: N/A

ATMOSPHERIC: Contains no ozone depleting substances

11. TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Non-Hazardous for Transport

IATA HAZARD CLASS/PACKAGING GROUP: Not Regulated

DOT HAZARD CLASS / PACKAGING GROUP: Not Regulated

IMDG HAZARD CLASS: Not Regulated

REFERENCE: N/A

RID/ADR DANGEROUS GOODS CODE: Not Regulated

UN/NA IDENTIFICATION NUMBER: N/A

UN TDG CASS/PACKAGING GROUP: Not Regulated

LABEL: None Required

HAZARD IDENTIFICATION NUMBER (HIN): Not Regulated

HAZARD SYMBOL: None

12. REGULATORY INFORMATION

CERCLA: None.

SARA Title III.313 Reportable ingredients: None

California Prop 65: There are no chemicals present in product known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS classification: Not Controlled.

IDL (Canadian Ingredient Disclosure List / Non-Domestic Substance List): Components of this product identified by CAS number are not listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notifications (NSN) Regulations.

EINECS (European Inventory of Existing Commercial Chemical Substances): Components of this product identified by CAS number are on the European inventory of existing Commercial Chemical Substances unless indicated as “not found.”

WGK Water Quality Index: nwg

VbK Index: not applicable

HMIS HAZARD RATINGS:

Definitions: *= Chronic Health Hazard; 0=Insignificant; 1= Slight; 2=Moderate; 3=High; 4=Extreme

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

PERSONAL PROTECTIVE EQUIPMENT E = Safety Glasses, Gloves, Dust Respirator