

HYDRA-HUME

Helena Chemical Company
 PH: 1-901-761-0050
 CHEMTREC: 1-800-424-9300
 Effective Date: 03-22-01
 Product: HYDRA-HUME

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.

Chemical Family: INORGANIC FERTILIZER

Formula: NOT APPLICABLE, FORMULATED MIXTURE.

Synonyms: NONE

CAS Number: SEE INGREDIENT STATEMENT, SECTION III.

EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.

Freezing Point: <20 DEGREES F.

Spec Gravity: 1.079 GMS/CC

Vapor Pressure: NOT DETERMINED

Vapor Density: NOT DETERMINED

Solubility: 99%

Volatiles: 0.50%

Evaporation: NOT DETERMINED

Melting Point: NOT APPLICABLE

Appearance: BLACK LIQUID, AMINE ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
SODIUM METASILICATE	06834-92-0	1.00	NOT ESTABLISHED	SKIN & EYE IRRITANT
PROPRIETARY BLEND OF PLANT NUTRIENTS AND HUMIC ACIDS TYPICAL COMPOSITION: NITROGEN (N) - 2.00%; SOLUBLE POTASH (K ₂) - 0.10%; HUMIC ACID - 8.00%		99.00	15 MG/M3	SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NONCOMBUSTIBLE

Autoignition Temp: NOT APPLICABLE

Flammable Limit: NOT APPLICABLE

Extinguishing Media: NONCOMBUSTIBLE LIQUID. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.

Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Fire and Expl Hazard: PRODUCT MAY PRODUCE TOXIC FUMES UNDER FIRE CONDITIONS.

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: INGESTION RESULTS IN VOMITING AND ABDOMINAL CRAMPS.

Skin Absorption: NONE CURRENTLY KNOWN.

Inhalation: THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION.

Skin contact: THIS PRODUCT MAY CAUSE SKIN IRRITATION.

Eye Contact: THIS PRODUCT MAY CAUSE SEVERE EYE IRRITATION.

Chronic Effects: NONE CURRENTLY KNOWN.

Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: IF CONSCIOUS, GIVE MILK OR WATER TO DRINK AND INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Inhalation: MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS. INGESTION MAY RESULT IN CORROSIVE DAMAGE TO THE DIGESTIVE TRACT.

VI. REACTIVITY

Stability: Stable

Conditions to Avoid: NONE CURRENTLY KNOWN.

Polymerization: Will Not Occur

Conditions to Avoid: NONE CURRENTLY KNOWN.

Incompatibility material: PRODUCT MAY REACT VIGOROUSLY WITH ALKALINE MATERIALS.

Hazardous Combustion: SULPHUR DIOXIDE UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN PRODUCT, REUSE MATERIAL IF UNCONTAMINATED. IF CONTAMINATED, ABSORB MATERIAL WITH AN ABSORBENT SUCH AS CLAY OR SAND AND PLACE IN SUITABLE CONTAINER FOR PROPER DISPOSAL. DO NOT CONTAMINATE WATER SUPPLIES.

Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: NONE NEEDED UNDER NORMAL CONDITIONS.

Ventilation: LOCAL EXHAUST SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: SPLASH PROOF GOGGLES.

Other: EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS.

Other precaution: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT, IATA (AIR), IMDG (WATER).

Hazard Class: NONE

Identification No: NONE

Labels Required: NONE REQUIRED

Placarding: NONE REQUIRED

Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER) LIQUID, NOIBN

Chemical Name	Equivalent R.Q.
NOT APPLICABLE	NOT APPLICABLE

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1

Fire: 0

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y

Delayed (Chronic) Health: N

Sudden Release of pressure: N

Fire: N

Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017

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