

Material Safety Data Sheet

Effective Date: 03-OCT-2002  
Product: BAYFOLAN PLUS

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.  
Chemical Family: INORGANIC LIQUID PLANT NUTRIENT  
Formula: NOT APPLICABLE, FORMULATED MIXTURE.  
Synonyms: NONE  
CAS Number: NOT APPLICABLE, FORMULATED MIXTURE.  
EPA Number: CAL. REG. NO. 5905-50057-AA

II. PHYSICAL DATA

Boiling Point: >212 DEGREES F.  
Freezing Point: <32 DEGREES F.  
Spec Gravity: 1.235 GMS/CC  
Vapor Pressure: 0%  
Vapor Density: NOT DETERMINED  
Solubility: 100%  
Volatiles: 0%  
Evaporation: WATER  
Melting Point: NOT APPLICABLE  
Appearance: GREEN LIQUID, WITH VITAMIN ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
WATER SOLUTION OF AMMONIUM PHOSPHATE, AMMONIUM NITRATES, UREA AND VARIOUS METAL COMPLEXES (EDTA)		100.00	15 MG/M3	SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NON-COMBUSTIBLE  
Autoignition Temp: NOT APPLICABLE  
Flammable Limit: NOT APPLICABLE  
Extinguishing Media: NON-COMBUSTIBLE LIQUID, USE EXTINGUISHING MEDIA  
FOR UNDERLYING CAUSE OF FIRE.  
Special Fire Fight Proc: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING  
APPARATUS AND FULL FIRE FIGHTING CLOTHING.  
Fire and Expl Hazard: PRODUCT MAY LIBERATE AMMONIA GAS UNDER FIRE  
CONDITIONS.

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V. HEALTH HAZARD  
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Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: LOW TOXICITY, ORAL LD50 (RAT) >5,010 MG/KG.  
Skin Absorption: LOW TOXICITY, DERMAL LD50 (RABBIT) >2,020  
MG/KG.  
Inhalation: NO HAZARD EXPECTED.  
Skin contact: SLIGHTLY IRRITATING.  
Eye Contact: DIRECT CONTACT MAY CAUSE SEVERE EYE IRRITATION.  
Chronic Effects: NONE CURRENTLY KNOWN.  
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: GIVE 1 TO 2 GLASSES OF WATER AND INDUCE  
VOMITING. IF IRRITATION DEVELOPS, CONSULT A  
PHYSICIAN.  
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF  
IRRITATION DEVELOPS, CONSULT A PHYSICIAN.  
Inhalation: MOVE TO FRESH AIR. IF BREATHING BECOMES  
DIFFICULT, CONSULT A PHYSICIAN.  
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING  
EYELIDS OPEN. IF IRRITATION DEVELOPS, CONSULT A  
PHYSICIAN.  
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT  
SHOULD BE DIRECTED TOWARD CONTROL OF THE  
SYMPTOMS.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
Polymerization: Will Not Occur  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
Incompatibility material: DO NOT MIX WITH ALKALINE MATERIALS.  
Hazardous Combustion: PRODUCT MAY PRODUCE AMMONIA GAS AND PHOSPHORIC  
ACID UNDER FIRE CONDITIONS.

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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: DIKE AND CONTAIN. IF UNCONTAMINATED, REUSE  
PRODUCT. IF CONTAMINATED, ABSORB SPILL WITH  
CLAY, SAND OR SAWDUST. PLACE IN SUITABLE

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CONTAINER FOR PROPER DISPOSAL. WASH SPILL AREA WITH LARGE AMOUNTS OF WATER.  
Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.  
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VIII. SPECIAL PROTECTION INFORMATION

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Respiration: NONE NORMALLY REQUIRED.  
Ventilation: LOCAL EXHAUST SUFFICIENT.  
Gloves: IMPERVIOUS  
Eyes: SPLASH PROOF GOGGLES.  
Other: EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.  
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IX. SPECIAL PRECAUTIONS

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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.  
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X. SHIPPING INFORMATION

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Shipping name: NOT REGULATED BY DOT, IATA, OR IMDG.  
Hazard Class: NONE  
Identification No: NONE  
Labels Required: NONE REQUIRED  
Placarding: NONE REQUIRED  
Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER) LIQUID, NOIBN  
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Chemical Name	Equivalent R.Q.
----- NOT APPLICABLE	----- NOT APPLICABLE

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

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XI. GENERAL PRODUCT INFORMATION

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

Health: 2                      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

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
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responsibility. It is offered solely for your consideration, investigation  
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