

Material Safety Data Sheet

Effective Date: 20-MAR-2000
Product: BINARY CQ

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: NOT REQUIRED

II. PHYSICAL DATA

Boiling Point: 212 DEGREES C.
Freezing Point: 40 DEGREES F.
Spec Gravity: 1.210 GMS/CC
Vapor Pressure: NOT APPLICABLE
Vapor Density: NOT APPLICABLE
Solubility: FORMS SUSPENSION
Volatiles: NOT APPLICABLE
Evaporation: NOT APPLICABLE
Melting Point: NOT APPLICABLE
Appearance: BROWN LIQUID, WITH AN ORGANIC ODOR

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF UREA, AMMONIUM NITRATE, POTASSIUM NITRATE, AMMONIUM PHOSPHATES, PHOSPHORIC ACID, POTASSIUM CHLORIDE AND INORGANIC METAL EDTA CHELATES		100.00	15 MG/M3	MILD 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 SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO
KEEP FIRE-EXPOSED CONTAINERS COOL.
Fire and Expl Hazard: UNDER FIRE CONDITIONS, THIS PRODUCT MAY EMIT
TOXIC FUMES CONTAINING NITROGEN AND CARBON

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V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: RESULTS IN NAUSEA AND ABDOMINAL CRAMPS.
Skin Absorption: NOT ESTABLISHED. USE GOOD PERSONAL HYGIENE PRACTICES.
Inhalation: INHALATION MAY CAUSE IRRITATION TO NOSE AND THROAT.
Skin contact: SKIN CONTACT MAY CAUSE IRRITATION.
Eye Contact: MAY CAUSE EYE IRRITATION.
Chronic Effects: NONE CURRENTLY KNOWN.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: DILUTE BY DRINKING LARGE QUANTITIES OF WATER. IMMEDIATELY CALL A PHYSICIAN, POISON CONTROL CENTER, OR HOSPITAL EMERGENCY ROOM FOR ANY OTHER TREATMENT DIRECTIONS.
Skin: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.
Inhalation: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION, IF NEEDED. IMMEDIATELY CALL A PHYSICIAN IF BREATHING BECOMES DIFFICULT.
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.
Notes to Physician: THERE IS NO SPECIFIC ANTIDOTE FOR THIS MATERIAL. TREATMENT OF OVER-EXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: AVOID CONTACT WITH STRONG ALKALINE MATERIALS.
Hazardous Combustion: IF INVOLVED IN A FIRE, OXIDES OF CARBON AND NITROGEN MAY BE GENERATED.

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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: IF MIST OR SPRAY IS PRESENT, USE A NIOSH/MSHA APPROVED RESPIRATOR.

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. KEEP CONTAINER TIGHTLY CLOSED. STORE BETWEEN 40 AND 110 DEGEES F.

Other precaution: NONE

X. SHIPPING INFORMATION

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(NMFC ITEM 68140, SUB 6, CLASS 70)

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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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