

QUEST (NON-CORROSIVE)

Helena Chemical Company

PH: 1-901-761-0050

CHEMTREC: 1-800-424-9300

Effective Date: 01-01-00

Product: QUEST (NON-CORROSIVE)

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.

Chemical Family: INORGANIC SALTS

Formula: NOT APPLICABLE, FORMULATED MIXTURE.

Synonyms: NONE

CAS Number: NOT APPLICABLE, FORMULATED MIXTURE.

EPA Number: CAL. REG. NO. 5905-50076-AA

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.

Freezing Point: <10 DEGREES C.

Spec Gravity: 1.320 GMS/CC

Vapor Pressure: NOT DETERMINED

Vapor Density: NOT DETERMINED

Solubility: MISCIBLE

Volatiles: <0.1%

Evaporation: NOT DETERMINED

Melting Point: NOT APPLICABLE

Appearance: CLEAR LIQUID, WITH SLIGHT ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF AMMONIUM SALTS OF POLYACRYLIC, HYDROXYCARBOXYLIC, AND PHOSPHORIC ACID		50.00	1 MG/M3	SLIGHT SKIN & EYE IRRITANT
INERT INGREDIENTS		50.00	NOT ESTABLISHED	NON-HAZARDOUS

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: USE SELF-CONTAINED BREATHING APPARATUS WITH 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 LISTED.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: THE ACUTE ORAL LD50 (RATS) = >5,000 MG/KG. VERY LOW TOXICITY BY INGESTION. EPA TOXICITY CATEGORY III.

Skin Absorption: THE ACUTE DERMAL LD50 (RATS) = >2,000 MG/KG. VERY LOW TOXICITY BY CONTACT. EPA TOXICITY CATEGORY III.

Inhalation: THERE IS NO LC50 FOR THIS MATERIAL SINCE NO FATALITIES OCCURRED AT THE HIGHEST ATMOSPHERIC CONCENTRATION ACHIEVABLE IN THIS STUDY.

Skin contact: MAY CAUSE SLIGHT SKIN IRRITATION AFTER REPEATED OR PROLONGED CONTACT WITH THIS MATERIAL. EPA CATEGORY IV.

Eye Contact: MAY CAUSE MILD EYE IRRITATION AFTER DIRECT CONTACT WITH THIS MATERIAL. EPA CATEGORY III.

Chronic Effects: NONE CURRENTLY KNOWN.

Other Hazard: MAY CAUSE PULMONARY EDEMA IN EXTREME CASES.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: GIVE A LARGE AMOUNT OF WATER TO DRINK. DO NOT INDUCE VOMITING. IMMEDIATELY CALL A PHYSICIAN. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Skin: REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS OR PERSISTS, CALL A PHYSICIAN.

Inhalation: MOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS APART. IF IRRITATION DEVELOPS OR PERSISTS, CALL A PHYSICIAN.

Notes to Physician: PRODUCT CONTAINS AMMONIA IN SOLUTION. IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS.

VI. REACTIVITY

Stability: Stable

Conditions to Avoid: AVOID EXTREME HEAT AND OPEN FLAMES. AMMONIA GAS WILL BE GIVEN OFF.

Polymerization: Will Not Occur

Conditions to Avoid: NONE CURRENTLY KNOWN.

Incompatibility material: AVOID CONTACT WITH POTASSIUM CHLORATE AND POTASSIUM NITRATE. PRODUCT IS CORROSIVE TO MILD STEEL.

Hazardous Combustion: BURNING MATERIAL MAY PRODUCE AMMONIA GAS, NITROGEN OXIDES, AND OXIDES OF CARBON.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN MATERIAL, REUSE IF UNCONTAMINATED. IF CONTAMINATED, ABSORB SPILL WITH CLAY OR SAND. PLACE IN A 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. UNDER FIRE CONDITIONS OR IF VAPORS EXCEED TLV, USE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation: LOCAL EXHAUST SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: SPLASH PROOF GOGGLES.

Other: EMERGENCY SHOWER, 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: 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

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: 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

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

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