

Material Safety Data Sheet

Effective Date: 04-NOV-2008
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, HYROXYCARBOXYLIC, AND PHOSPHORIC ACID | | 50.00 | 1 MG/M3 | SLIGHT SKIN & EYE IRRITANT |
| INERT INGREDIENTS | | 50.00 | N/E | NONHAZARDOUS |

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.

Material Safety Data Sheet

Effective Date: 04-NOV-2008
Product: QUEST (NON-CORROSIVE)

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

Material Safety Data Sheet

Effective Date: 04-NOV-2008
Product: QUEST (NON-CORROSIVE)

WILL BE GIVEN OFF.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: AVOID CONTACT WITH POTASSIUM CHLORATE AND
POTASSIUM NITRATE.
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

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

04-NOV-2008 08:25:58
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 04-NOV-2008
Product: QUEST (NON-CORROSIVE)

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
Helena Chemical Company believes that the data contained herein is factual.
This data is not to be taken as a warranty or representation of legal
responsibility. It is offered solely for your consideration, investigation
and verification.