

ANHYDROUS AMMONIA

MSDS Number

BHDRQ

National Stock Number

6830-00-616-9184

Product Name

ANHYDROUS AMMONIA

Manufacturer

NORTHEASTERN AMMONIA COMPANY INC

Product Identification

Product ID:ANHYDROUS AMMONIA

MSDS Date:06/01/1987

FSC:6830

NIIN:00-616-9184

MSDS Number: BHDRQ

Responsible Party

NORTHEASTERN AMMONIA COMPANY, INC.

TACONY & VANKIRK STREETS

PHILADELPHIA , PA 19135

US

Emergency Phone: 1-800-424-9300

Info Phone: 1-800-643-6226

Preparer: DAVID L. PASQUARELLA

Cage: OEWC8

Contractor

NORTHEASTERN AMMONIA COMPANY, INC.

NA

PHILADELPHIA, PA 19135

US

1-800-424-9300

Cage: OEWC8

Ingredients

AMMONIA

CAS: 7664-41-7

OSHA PEL50 PPM

ACGIH TLV: 25 PPM/35 STEL; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CHRONIC: BRONCHITIS. EXTREME EXPOSURE
CAN CAUSE IMMEDIATE DEATH FORM SPASM, INFLAMMATION OR EDEMA OF
LARYNX.

Effects of Overexposure:EYE:LACHRYMATION,EDEMA,BLINDNESS.

SKIN: IRRITATION, CORROSIVE BURNS, BLISTER FORMATION. CONTACT OF LIQ W/SKIN FREEZES TISSUE, PRODUCES A CAUSTIC BURN. INHAL: HEAVY ACUTE EXPOSURE MAY RESULT IN SEVERE IRRITATION OF RESPIRATORY TRACT, GLOTTAL EDEMA, BRONCHOSPASM, PULMONARY EDEMA, RESPIRATORY ARREST.

First Aid

First Aid: EYE: FLUSH W/COPIOUS AMOUNTS OF WTR FOR 15 MINUTES. EYELIDS SHOULD BE HELD OPEN & AWAY FROM EYEBALL TO ENSURE THOROUGH RINSING. SPEED/THOROUGHNESS IN RINSING IS MOST IMPORTANT. INHAL: MOVE TO FRESH AIR. ADMINISTER OXYGEN/ARTIFICIAL RESPIRATIONS. SKIN: FLUSH AFFECTED AREA W/COPIOUS AMOUNT OF WTR 15 MINS. REMOVE CONTAMINATED CLOTHING. DO NOT RUB AFFECTED AREA. DO NOT APPLY OINTMENTS TO BURNS. SEEK MED ATTENT.

Fire Fighting

Flash Point: NONE
Lower Limits: NA
Upper Limits: NA
Extinguishing Media: WATER SPRAY OR FOG
Fire Fighting Procedures: MUST WEAR PROTECT CLOTHING/RESPTY PROTECT. STOP SOURCE IF POSS. COOL FIRE EXPSD CONTAINERS W/WTR SPRAY. STAY UPWIND & USE WATER SPRAY TO KNOCK DOWN VAPOR/DILUTE.
Unusual Fire/Explosion Hazard: NOT GENRLY A FIRE HAZARD. IF RELIEF VALVES ARE INOPERATIVE, HEAT EXPOSED STORAGE CONTNRS MAY BECOME EXPLOSION HAZARDS. COMBUSTION MAY FORM TOXIC NITROGEN OXIDES.

Accidental Release

Spill Release Procedures: WEAR CLOTHING/RESPIRATORY PROTECTION. SHUT OFF SOURCE IF POSSIBLE. STAY UPWIND FROM SPILLS/LEAKS. CONTAIN SPILL BY DIKING & USE WTR SPRAY TO ABSORB AMMONIA GAS & DILUTE.

Handling

Handling and Storage Precautions: STORE IN COOL, WELL VENT AREA W/CONTAINER TIGHTLY CLOSED.
Other Precautions: ADDING WATER TO LARGE SPILLS MAY INCREASE VOLATILIZATION OF AMMONIA, THUS MAY INCREASE POSSIBILITY OF EXPOSURE.

Exposure Controls

Respiratory Protection: AIR PURIFYING TYPE W/FULL FACEPIECE FOR WORK PURPOSES; SELF CONTAINED BREATHING APPARATUS FOR ENTRY AND ESCAPE IN EMERGENCIES.
Ventilation: RESPIRATORY PROTECTION FOR HIGHER VAPOR CONCENTRATION.
Protective Gloves: IMPERVIOUS GLOVES
Eye Protection: GAS TIGHT CHEMICAL GOGGLES
Other Protective Equipment: IMPERVIOUS OUTER CLOTHING, OVERSHOES AS NEEDED. COTTON WORK CLOTHES RECOMMENDED
Work Hygienic Practices: EYEWASH AND SAFETY SHOWER IN IMMEDIATE VICINITY
Supplemental Safety and Health
DO NOT WEAR CONTACT LENSES WITHOUT GAS TIGHT CHEMICAL GOGGLES.

Chemical Properties

Boiling Pt: B.P. Text: -28F/-33C
Vapor Pres: 25.7C
Vapor Density: 0.6
Spec Gravity: 0.618
Evaporation Rate & Reference: >WATER IF IN LIQUID FORM
Solubility in Water: ***SEE BELOW
Appearance and Odor: COLORLESS GAS, PUNGENT ODOR ***SOLUBILITY:
0C: 89.9/100CC; 100C: 7.4G/100CC
Percent Volatiles by Volume: 100

Stability

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZERS, HYPOCHLORITES AND HALOGENS
Stability Condition to Avoid: AVOID MIXING W/CHLORINE BLEACH, SULFURIC OR

OTHER STRG MINRL ACIDS,CONTCT W/GALVANIZED
STL,COPPER,BRS,BRZ,GOLD,SLVR,MERCY
Hazardous Decomposition Products:HYDROGEN AND NITROGEN GASES ABOVE 450C

Disposal

Waste Disposal Methods:COMPLY WITH ALL REGULATIONS. SPILL WILL
EVAPORATE.CONTAMINATED WATER MAY BE USED ON AGRICULTURAL LAND AS
FERTILIZER. KEEP SPILL FROM ENTERING STREAMS OR LAKES.

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