

JONES CHEMICALS INC -- SUNNY SOL AQUA AMMONIA;AQUA AMMONIA 26 BAUM --  
6810-00-826-6121

===== Product Identification =====

Product ID:SUNNY SOL AQUA AMMONIA;AQUA AMMONIA 26 BAUM

MSDS Date:12/12/1989

FSC:6810

NIIN:00-826-6121

MSDS Number: BLHHL

=== Responsible Party ===

Company Name:JONES CHEMICALS INC

Address:100 SUNNY SOL BLVD

City:CALEDONIA

State:NY

ZIP:14423

Country:US

Info Phone Num:716-538-23

11/504-536-1171

Emergency Phone Num:716-538-2311/CHEMTREC 800-424-9300

CAGE:84297

=== Contractor Identification ===

Company Name:JONES CHEMICALS INC

Address:100 SUNNY SOL BLVD

Box:City:CALEDONIA

State:NY

ZIP:14423

Country:US

Phone:716-538-2311

CAGE:84297

Company Name:UNI-KEM INTERNATIONAL

Address:1001 HARIMAW COURT EAST

Box:City:METAIRIE

State:LA

ZIP:70001

Country:US

Phone:504-835-7600/FAX:504-835-7608

CAGE:4S446

===== Composition/Information on Ingredients =====

Ingred Name:

AMMONIA (SARA III)  
CAS:7664-41-7  
RTECS #:BO0875000  
Fraction by Wt: 29.4%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:50 PPM  
ACGIH TLV:25 PPM/35 STEL; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:INERT INGREDIENTS  
Fraction by Wt: BALANCE  
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 350 MG/KG (NH3)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IA  
RC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYES:MAY BE SEVERELY IRRITATING  
& CAUSE BURNS.SKIN:HIGH CONCENTRATIONS CAN CAUSE SEVERE IRRITATION  
& BURNS.INHALATION:CAN RESULT IN HEADACHES,COUGHING,SEVERE LUNG  
CONGESTION.INGESTION:CORROSIVE TO THE DIGESTIVE TRACT;SWALLOWING  
AS LITTLE AS A TEASPOONFUL HAS CAUSED DEATH.CHRONIC-MAY CAUSE  
CATARACTS,DERMATITIS.  
Effects of Overexposure:MAY BE SEVERELY IRRITATING & CAUSE EYE  
BURN.HIGH CONCENTRATIONS CAN CAUSE SEVERE SKIN  
IRRITATION &  
BURNS.INHALATION CAN RESULT IN HEADACHES,COUGHING,SEVERE LUNG  
CONGESTION.INGESTION IS CORROSIVE TO TH E DIGESTIVE TRACT.  
Medical Cond Aggravated by Exposure:PRE-EXISTING EYE DISORDERS, SKIN  
DISORDERS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE  
TO THE EFFECTS OF THIS MATERIAL.

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===== First Aid Measures =====

First Aid:SEEK MEDICAL CARE.EYES:FLUSH WITH WATER FOR 15  
MINUTES.SKIN:WASH WITH SOAP AND WATER.INHALATION:  
REMOVE TO FRESH  
AIR.GIVE CPR IF NEEDED.INGESTION:DO NOT INDUCE VOMITING.IF  
CONSCIOUS,DRINK LARGE AMOUNT OF WATER FOLLOWED BY MILK.NEVER GIVE  
ANYTHING TO BY MOUTH TO AN UNCONSCIOUS PERSON.

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===== Fire Fighting Measures =====

Autoignition Temp:Autoignition Temp Text:1204F  
Lower Limits:16  
Upper Limits:25  
Extinguishing Media:USE WATER FOG OR SPRAY TO EXTINGUISH FIRE OR TO  
COOL DOWN NEARBY CONTAINERS EXPOSED TO FIRE.  
Fire Fighting Procedures:WEAR FU

LL PROTECTIVE CLOTHING AND A

NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS & FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:THE MIXTURE WILL NOT BURN BUT ESCAPING AMMONIA GAS CAN BURN IN THE RANGE OF 16-25% IN AIR & CAN EXPLODE IN A CONFINED SPACE ON CONTACT WITH SOURCES OF IGNITION.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE CLOTHING & RESPIRATOR.CONTAIN SPILLS WITH

DIKES,SAND BAGS,ETC. & PREVENT RUN-OFF INTO

GROUND/SURFACE WATERS/SEWERS.RECOVER AS MUCH MATERIAL AS POSSIBLE.DILUTE THE RESIDUE WITH WATER & NEUTRALIZE WITH DILUTE ACETIC ACID & USEABSORBENT

Neutralizing Agent:DILUTE ACETIC ACID, HCL OR H2SO4

===== Handling and Storage =====

Handling and Storage Precautions:STORAGE-STORE IN COOL,DRY & VENTILATED AREA IN A CLOSED CONTAINER AWAY FROM LIGHTS,FIRE,ACIDS,OXIDIZERS,SUN,HEAT & COMBUSTIBLES.

Ot

her Precautions:STORE IN AN UPRIGHT POSITION. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER AND DISCARD. DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSES. BEFORE MOVING CONTAINER, BE SURE CLOSURE IS SECURELY FASTENED. AV OI D ROUGH HANDLING OR DROPPING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF AIRBORNE CONCENTRATIONS EXCEED ESTABLISHED EXPOSURE LIMITS, USE A NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR THIS PRODUCT.

Ventilat

ion:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:CHEMICAL GOGGLES AND FACE SHIELD

Other Protective Equipment:USE NEOPRENE SPLASH APRON. SAFETY SHOWER AND EYEWASH FOUNTAIN SHOULD BE LOCATED NEARBY.

Work Hygienic Practices:AVOID BREATHING FUMES, MISTS, VAPORS OR GASES. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. FUMES ARE VERY IRRITATING.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:B

1  
Boiling Pt:B.P. Text:84.9F,29.4C  
Melt/Freeze Pt:M.P/F.P Text:-110F,-79C  
Vapor Pres:420 @ 60F  
Vapor Density:0.6-1.2  
Spec Gravity:0.8974  
pH:13.5  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR,COLORLESS LIQUID, PUNGENT, IRRITATING ODOR  
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS,STRONG MINERAL ACIDS,NAOH,CHLORINE(& OTHER  
HALOGENS),IRON,CU,BRASS,BRONZE,AL,MERCURY  
,GOLD  
Stability Condition to Avoid:HIGH TEMPERATURES AND OPEN FLAMES  
Hazardous Decomposition Products:DECOMPOSES TO AMMONIA GAS AND ABOVE  
842F (450C) TO HYDROGEN AND NITROGEN GAS.

===== Disposal Considerations =====

Waste Disposal Methods:USE A DRY SORBENT TO COLLECT NEUTRALIZED  
AMMONIUM HYDROXIDE. CONSULT AUTHORITIES; DISPOSAL MUST BE IN  
ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

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