

AMMONIUM SULFIDE,46-52% SOLN;9746,9745,9747

MSDS Number

BCQSC

National Stock Number

6810-00N008621

Product Name

AMMONIUM SULFIDE,46-52% SOLN;9746,9745,9747

Manufacturer

J T BAKER CHEMICAL CO

Product Identification

Product ID:AMMONIUM SULFIDE,46-52% SOLN;9746,9745,9747

MSDS Date:11/04/1986

FSC:6810

NIIN:00N008621

MSDS Number: BCQSC

Responsible Party

J.T. BAKER CHEMICAL CO.

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865

Emergency Phone: 201-859-2151

Info Phone: 201-859-2151

Cage: 5B970

Contractor

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

Ingredients

AMMONIUM SULFIDE (SARA III)

CAS: 12135-76-1

RTECS: BS4920000

Fraction By Weight: 46-52%

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

LD50 LC50 Mixture:LD50-MOUSE SKIN-0.13 G/KG

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

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

Health Hazards Acute and Chronic:SEE SIGNS & SYMPTOMS OF OVEREXPOSURE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES:VAPORS MAY BE IRRITATING.LIQ MAY CAUSE

BURNS.SKIN:VAPORS MAY BE IRRITATING.LIQ MAY CAUSE BURNS.SKIN

ABSORPTION MAY BE HARMFUL OR FATAL.INHALATION:VAPORS NOSE & THROAT

IRRIT.HEADACHE,NAUSEA,DIZZY, FATIGUE.CYANOSIS,ARM & LEG WEAKNESS,

POSS FATAL.INGEST:MOUTH,STOMACH IRRIT & BURN.HARMFULL & MAY BE

FATAL.

Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

First Aid

First Aid:GET MEDICAL ATTENTION.EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FO AT LEAST 15 MINUTES.SKIN:FLUSH WITH WATER FOR 15 MIN & REMOVE CLOTHS,SHOES.INGEST:DO NOT INDUCE VOMIT.GIVE LARGE AMTS H*2O.INHAL:RE MOVE TO FRESH AIR.IF NOT BRTHG,GIVE ARTF RESPIRATION.IF BRTHG DIFFICULTY,GIVE OXYGEN.

Fire Fighting

Flash Point Method:CC
Flash Point:72F,22C
Lower Limits:4%
Upper Limits:46%
Extinguishing Media:USE WATER SPRAY,ALCOHOL FOAM,DRY CHEICAL OR CARBON DIOXIDE.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .MOVE CONTAINERS FROM AREA IF POSSIBLE W/O RISK.USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.
Unusual Fire/Explosion Hazard:GIVE OFF FLAMMABLE VAPORS.VAPORS MAY FORM FLAMMABLE MIXTURE WITH AIR.CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE.(SEE SUPPLEMENTAL).

Accidental Release

Spill Release Procedures:WEAR SCBA AND FULL PROTECTIVE CLOTHING.STOP LEAK.IF POSSIBLE WITHOUT RISK.USE WATER SPRAY TO REDUCE VAPORS.TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LA TER DISPOSAL.FLUSH AREA WITH WATER.(SEESUPP DATA)
Neutralizing Agent:N/K

Handling

Handling and Storage Precautions:BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID.KEEP TIGHTLY CLOSED IN COOL,DRY,WELL-VENT,FLAMMABLE LIQ STORAGE AREA.SEVERE INHAL HAZARD.
Other Precautions:DO NOT GET IN EYES,ON SKIN,OR CLOTHING.AVOID BREATHING VAPOR.VAP SPACE ABOVE SOLN HAS HIGH CONC OF TOXIC HYDROGEN SULFIDE & AMMONIA GAS.INHAL OF VAP DANGEROUS;CAN LEAD TO DIZZY/UNCONSCIOUSNESS & COULD RESULT IN DEATH/SERIOUS FALL.

Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .CHEM CARTRIDGE RESPIRATOR W/ORGANIC VAP CARTRIDGE.IF CONC EXCEEDS CARTRIDGE RESPIRATOR CAPACITY,USE SCBA(MFR)
Ventilation:LOCAL AND GENERAL VENTILATION NECESSARY TO KEEP AIR CONCENTRATION BELOW LEVEL OF CONCERN .
Protective Gloves:RECOMMENDED.
Eye Protection:CHEM WORKERS GOGG,FACESHLD OPTIONAL FP N
Other Protective Equipment:COVER BODY AS MUCH AS POSSIBLE TO AVOID CONTACT.WEAR IMPERVIOUS CLOTHING.CONSULT INDUSTRIAL HYGIENIST FOR INFORMATION.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.WASH CONTAM CLTHG BEFORE REUSE.
Supplemental Safety and Health
UNUSUAL FIRE/EXPLOSION HAZ:CONTACT W/ STRONG OXIDIZERS MAY CAUSE FIRE.HAZ DECOMP PROD:HYDROGEN SULFIDE,AMMONIA,OXIDIDES OF SULFUR,NITROGEN.

Chemical Properties

Boiling Pt:B.P. Text:40C.104F
Decomp Temp:Decomp Text:N/K
Vapor Pres:450
Vapor Density:2.3
Spec Gravity:1.00 (WATER=1)
Solubility in Water:COMPLETE
Appearance and Odor:YELLOW TO ORANGE FUMING SOLUTION WITH SULFIDE AND

AMMONIA ODOR.

Stability

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS; ALKALIES, STRONG ACIDS, MOST COMMON METAL, STRONG BASES.

Stability Condition to Avoid: HEAT, FLAME, OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products: HYDROGEN SULFIDE. AMMONIA, OXIDES OF SULFUR, OXIDES OF NITROGEN.

Disposal

Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS

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