



AMMONIA

MSDS Number

BBLTJ

National Stock Number

6810-00F002812

Product Name

AMMONIA

Manufacturer

GEORGIA GULF CORP

Product Identification

Product ID:AMMONIA
MSDS Date:06/24/1986
FSC:6810
NIIN:00F002812
MSDS Number: BBLTJ

Responsible Party

GEORGIA GULF CORP
400 PERIMETER CENTER TER SUITE 595
ATLANTA , GA 30348-5000
US
Emergency Phone: 302-836-2100/404-395-4585
Info Phone: 302-836-2100/404-395-4585
Preparer: G.J. KOCH
Cage: 49960

Contractor

GEORGIA GULF CORPORATION
105197
ATLANTA, GA 30348
US
504-685-2500/770-395-4500 GOOD#
Cage: 49960

Ingredients

AMMONIA, AMMONIUM HYDROXIDE-ANHYDROUS, ANHYDROUS AMMONIA
CAS: 7664-41-7
RTECS: BO0875000
Fraction By Weight: 99.5%
OSHA PEL35 MG/CUM
ACGIH TLV: 17 MG/CUM
EPA Report Quantity: 100 LBS
DOT Report Quantity: 100 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50(RAT): 350 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO



Health Hazards Acute and Chronic:SKIN: SEVERE CAUSTIC BURNS. EYES: SEVERE CAUSTIC BURNS & DAMAGE, IRRITATION, TEMPORARY BLINDNESS. INHALATION: SERIOUS RESPIRATORY INJURY, COLLAPSE & IRRITATION, ULCERATED NASAL SEPTUM, CONJUNCTIVA IRRITATION, CHANGE IN TRACHEA/BRONCHI. DEATH MAY RESULT FROM OVEREXPOSURE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE CAUSTIC BURNS OF THE SKIN, EYES, MOUTH & ESOPHAGUS, IRRITATION, COMA, CONVULSIONS, BREATHING DIFFICULTY, BLISTERING

First Aid

First Aid:INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. RESTORE &/SUPPORT BREATHING IF REQUIRED. KEEP WARM & AT REST. ADMINISTER OXYGEN. EYES: WASH IMMEDIATELY W/LARGE AMOUNTS OF WATER, LIFTING LIDS OCCASIONALLY. SKIN: IMMEDIATELY FLUSH W/WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Lower Limits:16

Upper Limits:25

Extinguishing Media:STOP FLOW GAS, WATER SPRAY/FOG

Fire Fighting Procedures:IF GAS LEAKAGE, EVACUATE AREA. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. WEAR SCBA W/FULL FACEPIECE IN POSITIVE PRESSURE MODE & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:MODERATE FIRE & EXPLOSION HAZARD WHEN EXPOSED TO HEAT/FLAME. VIOLENT RUPTURE CAN OCCUR IF RELIEF VALVES FAIL.

Accidental Release

Spill Release Procedures:EVACUATE, ELIMINATE IGNITION SOURCE, VENTILATE. ADJUST LEAKAGE TO DISCHARGE GAS, NOT LIQUID AMMONIA. IF GAS, STOP FLOW. IF SOURCE IS CYLINDER & CAN'T BE STOPPED, REMOVE TO OPEN AIR TO REPAIR/EMPTY. SEE SUPPLEMENTAL DATA.

Handling

Handling and Storage Precautions:STORE CYLINDER/TANKS IN A COOL, WELL VENTILATED, FIREPROOF LOCATION, AWAY FROM OXIDIZING AGENTS, COMBUSTIBLE MATERIALS & SOURCES OF HEAT/IGNITION.

Other Precautions:SPECIAL EXTERNAL STORAGE, OUT OF DIRECT SUNLIGHT, IS PREFERRED. DON'T ALLOW WORKERS HANDLING AMMONIA TO WEAR CONTACT LENSES. PREPLACEMENT MEDICAL EXAMINATION IS RECOMMENDED FOR WORKERS. PROVIDE TRAINING FOR WORKERS ON SAFE HANDLING.

Exposure Controls

Respiratory Protection:USE ANY NIOSH/MSHA APPROVED SCBA/SUPPLIED-AIR RESPIRATOR.

Ventilation:LOCAL EXHAUST TO MEET TLV. MECHANICAL (GENERAL) RECOMMENDED. IN BUILDINGS USE EXPLOSION-PROOF ELECTRICAL SERVICES.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:RUBBER SUIT, BOOTS, APRON, FACE SHIELDS (EIGHT-INCH MINIMUM)

Work Hygienic Practices:REMOVE & LAUNDER CONTAMINATED CLOTHING. THAW FROZEN CLOTHING BEFORE REMOVAL.

Supplemental Safety and Health

SPILL PROCEDURE: GAS MAY BE DISCHARGED INTO COLD WATER FOR COLLECTION.

DON'T DIRECTLY DISCHARGE SOLUTION TO SEWERS/WATERWAYS. IF LIQUID, ALLOW TO VAPORIZE. DON'T NEUTRALIZE W/ACID. NOTE: AN OPEN BOTTLE OF CONCENTRATED HYDROCHLORIC ACID CAN BE USED TO DETECT SMALL LEAK SOURCES. APPEARANCE: CAN BE LIQUID UNDER PRESSURE.

Chemical Properties

Boiling Pt:B.P. Text:-28F

Melt/Freeze Pt:M.P/F.P Text:-108F

Vapor Pres:4800

Vapor Density:0.6



Spec Gravity:0.62
pH:11.7
Solubility in Water:51G/100G
Appearance and Odor:COLORLESS GAS W/PENETRATING, EXTREMELY PUNGENT,
SUFFOCATING ODOR (SEE SUPP DATA
Percent Volatiles by Volume:100/WT

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS, CALCIUM, HYPOCHLORITE BLEACHES, GOLD, MERCURY,
SILVER, HALOGENS
Stability Condition to Avoid:SOURCES OF HEAT, FLAME, ELEVATED
TEMPERATURES .
Hazardous Decomposition Products:NONE

Disposal

Waste Disposal Methods:LIMITED AMOUNTS OF AMMONIA GAS MAY BE RELEASED
TO THE ATMOSPHERE UNDER APPROPRIATE CONDITIONS. LIMITED AMOUNTS OF
AMMONIA SOLUTION CAN BE HIGHLY DILUTED W/WATER FOR DISCHARGE.
DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS.

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