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Certified Company



THE POWER OF THREE²

PHARMCO-AAPER

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300 or 202-483-7616

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: MONOETHYLAMINE
This MSDS is valid for all grades and catalog numbers

General Information

PHARMCO-AAPER

58 Vale Road
Brookfield, Connecticut 06804, USA
Phone (203) 740-3471
Fax (203) 740-3481

1101 Isaac Shelby Drive
Shelbyville, KY 40065
Phone (502) 633-0650
Fax (502) 633-0685

Ingredients/Identity Information

Ingredient Sequence Number: 01

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS
LIQUID/GAS W/A STRONG AMMONIACAL
ODOR
Boiling Point: 61.9F

Vapor Pressure (MM Hg/70 F): 16.
Vapor Density (Air=1): .117
Specific Gravity: 1.56
Solubility In Water: SOLUBLE

Fire and Explosion Hazard Data

Flash Point: -40F CLOSED CUP
Lower Explosive Limit: 3.5%
Upper Explosive Limit: 13.9
Extinguishing Media: WATER, CO₂, DRY CHEMICAL
Special Fire Fighting Proc: WEAR SCBA/BUTYL RUBBER BOOTS. STOP THE FLOW OF GAS.
Unusual Fire And Expl Hazrds: MONOETHYLAMINE IS HEAVIER THAN AIR/INCREASE VENT. TO PREVENT FLAMMABLE MIX FORMATION IN LOW AREAS.

Reactivity Data

Stability: YES
Materials To Avoid: SILVER/COPPER/TIN
COMMERCIAL NICKEL/ZINC/OXIDIZING

COMPOUNDS
Hazardous Decomp Products: AMMONIA
Hazardous Poly Occur: NO

Health Hazard Data

Signs/Symptoms Of Overexp: INHALATION: SHORTNESS OF BREATH/HEADACHE/
NAUSEA/VOMITING. CORROSIVE/IRRITATING TO THE EYES/SKIN.

Emergency/First Aid Proc: INHALATION: UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED AREA/FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA. EYES: FLUSH W/WATER FOR 15 MINUTES. SKIN: FLUSH W/WATER. REMOVE AFFECTED CLOTHING AS RAPIDLY AS POSSIBLE. CALL PHYSICIAN.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF AK IS IN USER'S EQUIPMENT, BE CERTAIN TO PURGE PIPING W/AN INERT GAS PRI TO ATTEMPTING REPAIRS.
Waste Disposal Method: DON'T ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED & VALVE PROTECTION CAP IN PLACE TO LIQUID AIR CORPORATION FOR PROPER DISPOSAL.
Precautions-Handling/Storing: PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA OF NON-COMBUSBLE CONSTRUCTION. DON'T STORED ABOVE 130F.
Other Precautions: USE ONLY IN WELL-VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PED TO USE POINT.

Control Measures

Respiratory Protection: POSITIVE PRESSURE AIR LINE WITH MASK/SCBA FOR EMERGENCY USE.
Ventilation: HOOD WITH FORCED VENTILATION
Protective Gloves: BUTYL RUBBER
Eye Protection: GOGGLES/GLASSES/FACESHIEL
Other Protective Equipment: SAFETY SHOES/SHOWER/EYEWASH. DON'T WEAR CONTACT LENSES.
Suppl. Safety & Health Data: ONE CALIFORNIA PLAZA, SUITE 350/2121 N. CALIFORNIA BLVD/WALNUT CREEK, CALIFORNIA 94596. MOLECULAR WEIGHT: 45.05

Transportation Data

DOT: Ethylamine, Aqueous Solution, 3, UN2270, PGII

Disposal Data

Landfill Ban Item: YES
Disposal Supplemental Data: ONE CALIFORNIA PLAZA, SUITE 350/2121 N. CALIFORNIA BLVD/WALNUT CREEK, CALIFORNIA 94596. MOLECULAR WEIGHT: 45.05 IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.
1st EPA Haz Wst Code New: D001
1st EPA Haz Wst Name New: IGNITIBLE
1st EPA Haz Wst Char New: IGNITABILITY
1st EPA Acute Hazard New: NO

Label Data

Common Name: MONOETHYLAMINE
Special Hazard Precautions: INHALATION: SHORTNESS OF BREATH/HEADACHE/NAUSEA/VOMITING. CORROSIVE/IRRITATING TO THE EYES/SKIN.

Label Name: LIQUID AIR CORPORATION
Label Emergency Number: (800) 231-1366

Regulatory Data

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS Number	RQ
<u>Monoethylamine</u>	75-04-7	100 lb

The information contained herein is based on data considered to be accurate. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use of the product.