

2,2,2-NITRILOTRIETHANOL

MSDS Number

BVCTF

National Stock Number

6810-00N049322

Product Name

2,2,2-NITRILOTRIETHANOL

Manufacturer

MALLINCKRODT

Product Identification

Product ID:2,2,2-NITRILOTRIETHANOL

MSDS Date:05/01/1986

FSC:6810

NIIN:00N049322

MSDS Number: BVCTF

Responsible Party

MALLINCKRODT

PARIS , KY 40361

US

Emergency Phone: 314-982-5000

Info Phone: 314-982-5000

Cage: ZA916

Contractor

MALLINCKRODT SPECIALTY CHEMICALS CO

PHILLIPSBURG, NJ 08865

US

908-859-2151

Cage: 62910

Ingredients

ETHANOL,2,2',2''-NITRILOTRI-; (TRIETHANOLAMINE)

CAS: 102-71-6

RTECS: KL9275000

OSHA PELN/K

ACGIH TLV: N/K

Hazards

LD50 LC50 Mixture:LD50:(ORAL,RAT)8680 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:CORR. CAUSES BURNS. HARMFUL IF ABSORBED THRU SKIN. READLY ABSORBED THRU SKIN. VAP/MIST MAY BE IRRITATING TO EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG GIVE ARTF RESP, PREF MOUTH-TO-MOUTH. IF BRTHG IS DFCLT, GIVE OXYGEN. CALL A PHYS. INGEST: CALL A PHYS IMMED. SKIN:IMMED WASH SKIN W/COPIOUS AMTS OF WATER FOR @ LST 15 MIN WHILE REMOVING CONTAMD CLTHG & SHOES. WASH CONTAMD CLTHG BEFORE REUSE. CALL A PHYS. EYE: IMMED FLUSH W/COPIOUS AMTS OF WATER FOR @ LST 15 MIN. ASSURE ADEQ FLUSHING OF EYES BY (SUPDAT)

Fire Fighting

Flash Point:365F,185C
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL/POLYMER FOAM.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Accidental Release

Spill Release Procedures:EVAC AREA. WEAR NIOSH/MSHA APPROVED SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. ABSORB ON SAND/VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISP. VENT AREA AND WASH SPILL SITE AFTER MATL PICKUP IS COM PLETE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:DO NOT BREATHE VAP. DO NOT GET IN EYES, ON SKIN/CLTHG. KEEP AWAY FROM HEAT, SPARKS, & OPEN FLAMES. HYGROSCOPIC. PROTECT FROM MOISTURE.
Other Precautions:STORE IN A COOL DRY PLACE. MAY SEGREGATE/FREEZE BELOW 60F. THAW AND MIX BEFORE USING.

Exposure Controls

Respiratory Protection:APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPVD SAFETY GOGGLES .
Other Protective Equipment:OTHER PROTECTIVE CLOTHING. EMERGENCY EYE BATH AND DELUGE SHOWER MEETIN ANSI DESIGN CRITERIA .
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
FIRST AID PROC: SEPARATING LIDS W/FINGERS. CALL A PHYSICIAN.

Chemical Properties

Boiling Pt:B.P. Text:>374F,>190C
Melt/Freeze Pt:M.P/F.P Text:>64F,>18C
Spec Gravity:1.124(H*20=1)
Solubility in Water:MISCIBLE@20C
Appearance and Odor:VISCOUS LIQUID

Stability

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS. AVOID CONTACT W/ACID.
Stability Condition to Avoid:HYGROSCOPIC. TURNS BROWN ON EXPOSURE TO LIGHT.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES.

Disposal

Waste Disposal Methods:DISSOLVE OR MIX MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. ENSURE COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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