

NITRIC ACID, REAGENT GRADE

MSDS Number

BDCLV

National Stock Number

6810-00-148-7155

Product Name

NITRIC ACID, REAGENT GRADE

Manufacturer

DU PONT E I DE NEMOURS AND CO INC

Product Identification

Product ID: NITRIC ACID, REAGENT GRADE

MSDS Date: 01/01/1985

FSC: 6810

NIIN: 00-148-7155

MSDS Number: BDCLV

Responsible Party

DU PONT E I DE NEMOURS & CO INC

1007 MARKET STREET

WILMINGTON, DE 19899

US

Emergency Phone: 800-441-7515

Info Phone: 800-441-3637 (MEDICAL) OR CHEMTREC

Cage: 18873

Contractor

E.I. DUPONT DE NEMOURS & CO

WILMINGTON, DE 19898

US

800-441-7515; 800-441-9442

Cage: 18873

Ingredients

NITRIC ACID (SARA III)

CAS: 7697-37-2

RTECS: QU5775000

Fraction By Weight: 70.4%

OSHA PEL2 PPM/4 STEL

ACGIH TLV: 2 PPM/4 STEL; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WATER

Fraction By Weight: 29.6%

Hazards

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:IRRITATION.CAN CAUSE EYE DAMAGE.
SKIN:CAN CAUSE SEVERE BURNS. INHALATION:CAN CAUSE BREATHING
DIFFICULTIES AND LEAD TO PNEUMONIA AND PULMONARY EDEMA,WHICH MAY BE
FATAL. INGESTION:CAN CAUSE PAINS AND BURNS OF
MOUTH,THROAT,ESOPHAGUS AND GASTROINTESTINAL TRACT.
Effects of Overexposure:LIQ & VAPOR CAUSES SEVERE BURNS.HARMFUL IF
INHALED.W LUNG INJURY.MAY PRODUCE DANGEROUS TOXIC GASES.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING SKIN
DISORDERS OR EYES DISEASE MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF
THIS SUBSTANCE.

First Aid

First Aid:SKIN/EYES:FLUSH W PLENTY WATER.INHALED:REMOVE TO FRESH AIR
GIVE CPR/0*2 IF NEED.REMOVE & WASH CONTAMINATED CLOTHES.GIVE LG
AMTS WATER W MILK OF MAGNESIA,MILK,MGO,EFF WHITES.OLIVE OIL.DO NOT
INDUCE VOMITING.AVOID CARBONATES CALL A PHYSICIAN.

Fire Fighting

Extinguishing Media:FOR FIRE IN AREA,USE WATER SPRAY TO COOL
CONTAINERS.
Fire Fighting Procedures:WEAR CHEMICAL PROTECTIVE SUIT WITH SELF CONTD
BREATHG APP.
Unusual Fire/Explosion Hazard:OXIDIZER INCREASES,COMBUSTIBILITY.CAN
IGNITE COMBUST,OXID MATL.MAY PRODUCE TOXIC GAS.METALS GROUP 2.

Accidental Release

Spill Release Procedures:ELIMINATE IGNITION SOURCES. STOP LEAK W/O
RISK. EVACUATE AREA. SMALL SPILL:ABSORB WITH INERT ABSORBENT,FLUSH
AREA WITH WATER. LG SPILL:NEUTRALIZE WITH SODA ASH. FLUSH
NEUTRALIZED SOLUTION TO SEWER IN ACCORDANCE WITH INTERNATIONAL
FED,STATE, & LOCAL REGS.

Handling

Handling and Storage Precautions:STORE IN COOL,DRY, WELL VENT,LOW FIRE
RISK AREA. PROTECT CONTS FROM PHYS DAMAGE.KEEP OUT OF DIRECT RAYS OF
SUN AWAY FROM ORG PROD & OTHER EASILY OXID MATL
Other Precautions:LOOSEN CLOSURES CAREFULLY.NEVER USE PRESSURE TO
EMPTY.WASH CONTAINERS BEFORE RE-USE.DO NOT BREATHE VAPOR.AVOID
CONTACT.WASH THOROUGHLY AFTER HANDLING.REFER TO DUPONT NITRIC ACID
DATA SHEET.

Exposure Controls

Respiratory Protection:SCBA, SUPPLIED AIR RESPIRATOR
Ventilation:USE ADEQUATE VENT.
Protective Gloves:RUBBER
Eye Protection:CHEM SPLASH GOGGLES
Other Protective Equipment:RUBBER BOOTS,SUALL PROTECTIVE CLOTHING,HARD
HAT,CHEMICAL SUIT.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER
CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
PER MR. DAN SIEGER, SPCC; HE SAID THIS STOCK NUMBER IS MANAGED BY THE
NUCLEAR GROUP OF SPCC. THE ORIGINAL CONTRACT CALLED FOR 4.4% NITRIC
ACID, HOWEVER, THE REASON THERE ARE DIFFERENCES IS BECAUSE EACH
CONTRACT NUMBER COULD HAVE CALLED FOR A DIFFERENT PERCENTAGE UNDER
THE SAME STOCK NUMBER. SIGNED WENDY E. BRIDGES;NAVY

Chemical Properties

HCC:C4
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:246-252F
Vapor Pres:9.5
Vapor Density:2.3
Spec Gravity:1.389
Evaporation Rate & Reference:APPROX 1(BU AC=1)
Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS-LT BROWN CLEAR LIQ.;ACRID ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
CYANIDES,SULFIDES,ORGANICS METALS,CARBIDES,OXIDIBLE MATL.
Stability Condition to Avoid:HEAT, IGNITION SOURCES
Hazardous Decomposition Products:NITROGEN OXIDES AND OTHER OXIDES;
TOXIC FUMES; FLAM GAS

Disposal

Waste Disposal Methods:IF APPRVD,DRAIN DILUTE/NEUTRALD ACID TO
TREATMENT PLANT.

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