

## **NITRIC ACID,REAGENT**

### **MSDS Number**

BDSNC

### **National Stock Number**

6810-00-281-0439

### **Product Name**

NITRIC ACID,REAGENT

### **Manufacturer**

E I DUPONT DENEMOURS AND CO INC

### **Product Identification**

Product ID:NITRIC ACID,REAGENT

MSDS Date:01/01/1985

FSC:6810

NIIN:00-281-0439

MSDS Number: BDSNC

### **Responsible Party**

E.I. DUPONT DENEMOURS & CO,INC

1007 MARKET STREET

WILMINGTON , DE 19899

US

Emergency Phone: 800-441-7515

Info Phone: 800-441-7515

Cage: EO721

### **Contractor**

E.I. DUPONT DENE NEMOURS/WILMINGTON, DE 19898

1635

WILMINGTON, DE 19898

US

800-441-7515;800-441-9442

Cage: EO721

### **Ingredients**

NITRIC ACID (SARA III)

CAS: 7697-37-2

RTECS: QU5775000

Fraction By Weight: 70%

OSHA PEL2 PPM/4 STEL

ACGIH TLV: 2 PPM/4 STEL; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 30 - 35%

## Hazards

Effects of Overexposure: LIQ & VAPOR CAUSES SEVERE BURNS. HARMFUL IF INHALED. W LUNG INJURY. MAY PRODUCE DANGEROUS TOXIC GASES.

## First Aid

First Aid: SKIN/EYES: FLUSH W PLENTY WATER. INHALED: REMOVE & WASH CONTAMINATED CLOTHES. GIVE LG AMTS WATER W MILK OF MAGNESIA, MILK, MGO, EGG 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 BRTHG APP.

Unusual Fire/Explosion Hazard: OXIDIZER INCREASES COMBUSTIBILITY. CAN IGNITE COMBUST, OXID MATL. MAY PRODUCE TOXIC GAS. METALS GIV H\*2/

## Accidental Release

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

## Handling

Handling and Storage Precautions: STORE IN COOL, DRY, WELL VENT, LOW FIRE RISK AREA. PROTECT CONTRS FROM PHYS DAMAGE. KEEP OUT OF DIR RAYS OF SUN AWAY FR 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: LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves: RUBBER

Eye Protection: CHEM SPLASH GOGGLES

Other Protective Equipment: RUBBER BOOTS, FULL PROTECTIVE CLOTHNG, HARD HAT, CHEMICAL SUIT.

Supplemental Safety and Health

SYNONYM: AQUA FORTIS, AZOTIC ACID, ENGRAVER S ACID. MSDS EFFECTV: 2/1/80. BP RANGE(119-122C) SP GR RANGE(1.355-1.422).

## Chemical Properties

HCC: D4

Boiling Pt: B.P. Text: 246-252F

Vapor Pres: 9.5

Vapor Density: 1

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, OXIDIZABLE MATL.

Stability Condition to Avoid: HEAT, IGNITION SOURCES

Hazardous Decomposition Products: NITROGEN OXIDES AND OTHER OXIDES; TOXIC FUMES; FLAM GAS

## Disposal

Waste Disposal Methods:KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE & DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL,FEDERAL,STATE, & LOCAL REGULATIONS.IF APPRVD,DRAIN DILUTE/NEUTRALZD ACID TO TREATMENT PLAN T.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.