

E.I. DUPONT DE NEMOURS & CO,INC. -- NITRIC ACID STRONG -- 6810-00-241-1193

===== Product Identification =====

Product ID:NITRIC ACID STRONG

MSDS Date:11/01/1987

FSC:6810

NIIN:00-241-1193

MSDS Number: BDMLZ

=== Responsible Party ===

Company Name:E.I. DUPONT DE NEMOURS & CO,INC.

Address:1007 MARKET STREET

Box:1635

City:WILMINGTON

State:DE

ZIP:19899

Country:US

Info Phone Num:800-441-9442

Emergency Ph

one Num:800-441-3637(800-424-9300 CHEMTREC)

Preparer's Name:J.C. WATTS

CAGE:19898

=== Contractor Identification ===

Company Name:E.I. DUPONT DE NEMOURS & CO

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515;800-441-9442

CAGE:18873

Company Name:E.I. DUPONT DE NEMOURS & CO., INC.

Box:1635

CAGE:19898

===== Composition/Information on Ingredients =====

Ingred Name:NITRIC ACID (SARA III)

CAS:7697-37-2

RTECS #:QU5775000

Fraction by Wt: >

90%
OSHA PEL:2 PPM/4 STEL
ACGIH TLV:2 PPM/4 STEL; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 50-500 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY CAUSE IRRITATION OR BURNS TO SKIN
AND EYES BOTH FROM VAPORS AND CONTACT WITH LIQUID. INHALATION OF
VAPORS MAY CAUSE IRRITATION
OF UPPER RESPIRATORY TRACT. INGESTION
MAY CAUSE SEVERE DAMAGE TO MUCOUS IN MOUTH, THROAT AND ESOPHAGUS;
SEVERE GI TRACT IRRITATION.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALATION: SNEEZING, WHEEZING, COUGHING,
SHORTNESS OF BREATH. EYES: BURNING SENSATION, TEARING, PAIN,
REDNESS. SKIN: REDNESS, PAIN. INGESTED: BURNING SENSATION OF MOUTH,
THROAT, AND ES
OPHAGUS; SEVERE STOMACH PAIN, NAUSEA, VOMITING.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING
RESPIRATORY DISORDERS MAY HAVE INCREASED SUSCEPTIBILITY TO EFFECTS
OF THIS MATERIAL.

===== First Aid Measures =====

First Aid:INHALED: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. SEE
DOCTOR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR.
SKIN: REMOVE
CONTAMINATED CLOTHES. FLUSH WITH LOTS OF WATER. SEE
DOCTOR. INGESTED: DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE LARGE
QUANTITY OF WATER. GET IMMEDIATE MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Extinguishing Media:WATER, DRY CHEMICAL, OR SODA ASH. USE WATER SPRAY
TO COOL CONTAINERS AND REDUCE VAPORS.
Fire Fighting Procedures:WEAR FULL ACID PROTECTIVE CLOTHING AND
SELF-CONTAINED BREATHING APPARATUS WHERE CONTACT WITH FUMES OR ACID

EXISTS. RUN-OFF FROM MAY CAUSE POLLUTION.
Unusual Fire/Explosion Hazard:NITRIC ACID INCREASES THE FLAMMABILITY OF
AND CAN IGNITE MANY ORGANIC MATERIALS SUCH AS WOOD, SOLVENTS, ETC
AND CAN RELEASE TOXIC OXIDES OF NITROGEN.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. ISOLATE AND DENY ENTRY. WEAR
SCBA AND CHEMICAL PROTECTIVE CLOTHING. CONTAIN SPILL. FLUSH AREA
WITH LARGE AMOUNT OF WATER. NEUTRALIZE WASHINGS WITH S
ODA ASH OR
LIME. DO NOT FLUSH TO SEWE R. REPORT, IF REQUIRED.
Neutralizing Agent:SODA ASH OR LIME

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINERS CLOSED. KEEP AWAY FROM
HEAT, SPARKS, AND FLAME. DO NOT STORE NEAR INCOMPATIBLES. DO NOT
PRESSURIZE TO EMPTY.
Other Precautions:CONTAINERS MUST NOT BE WASHED OUT OR USED FOR OTHER
PURPOSES. LOOSEN CLOSURES CAREFULLY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IN AN EMERGENCY USE NIOSH/MSHA APPROVED
SELF-CONTAINED BREATHING APPARATUS.
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:NEOPRENE
Eye Protection:GOGGLES/FACE SHIELD
Other Protective Equipment:(FOR EMERGENCIES) WEAR FULL COVERING
ACID-RESISTENT SUIT WITH RUBBER BOOTS. EYE WASH STATION & SAFETY
SHOWER.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE
REUSE.
Supplemental Safety and Health
FOR DAILY PROTECTION: USE APRON, NEOPRENE GLOVES. MIL-STD-1218 ALSO
APPLIES.

===== Physical/Chemical Properties =====

HCC:D4
Boiling Pt:B.P. Text:185F,85C
Melt/Freeze Pt:M.P/F.P Text:-45F,-43C
Vapor Pres:51MMHG@77F
Vapor Density:>1(AIR=1)
Spec Gravity:1.5
pH:1
Evaporation Rate & Reference:>1 (N-BUTYL ACETATE=1)
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS TO LIGHT BROWN CLEAR LIQUID. ACRID ODOR.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

OXIDIZABLE MATERIALS, ORGANIC SOLVENTS, METAL POWDERS, CARBIDES,
CYANIDES, SULFIDES, AND ALKALIES.

Stability Condition to Avoid: HEAT-RELEASES TOXIC GASES.

Hazardous Decomposition Products: OXIDES OF NITROGEN

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. IF APPROVED, DRAIN AND
NEUTRALIZED WASHINGS TO A
WASTE TREATMENT PLANT OR TRANSFER TO A DISPOSAL CONTRACTOR.

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