

FISHER SCIENTIFIC CHEMICAL DIV -- A467500 NITRIC ACID -- 6810-00-130-1912

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Product Identification  
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Product ID:A467500 NITRIC ACID

MSDS Date:07/20/1995

FSC:6810

NIIN:00-130-1912

MSDS Number: CCGDF

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CHEMICAL DIV

Address:1 REAGENT LN

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100/201-796-7523

Emergency P

hone Num:201-796-7100/201-796-7523

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients  
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Ingred Name:NITRIC ACID, HYDROGEN NITRATE \*96-1\*

CAS:7697-37-2

RTECS #:QU5775000

Fraction by Wt: 63.01%

OSHA PEL:5 MG/CUM

ACGIH TLV:5.2 MG/CUM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====  
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LD50 LC50 Mixture:ORAL LD50(LAB ANIMAL): 50-500 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:CORROSIVE & TOXIC. INGESTION: SEVERE  
RESPIRATORY IRRITATION, PULMONARY EDEMA, DEATH. SKIN: BURNS, MILD  
IRRITATION, DERMATITIS. EYES: BURNS, CONJUNCTIVITIS. INGESTION: JAW  
NECROSIS, CIRCUMORAL BURNS, E PIGLOTTAL EDEMA, CIRCULATORY  
COLLAPSE, RENAL FAILURE, DEATH.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, COUGHING, CHOKING, DIZZINESS,  
HEADACHE, NAUSEA, WEAKNESS, CHEST TIGHTNESS, DYSPNEA, WEAK/RAPID  
PULSE, HEMOCONCENTRATION, INFLAMMATORY/ULCERATIVE CHANGES IN THE  
MOUTH, JAW NECROSIS, GI DISTURBANCES, PAIN, LACRIMATION,  
PHOTOPHOBIA, BURNS, DIFFICULTY SWALLOWING, THIRST, EPIGASTRIC PAIN,  
DIARRHEA, FEVER.

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===== First Aid Measures =====  
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First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.  
MAINTAIN AIRWAY, BLOOD PRESSURE & RESPIRATION. SKIN: WASH  
W/SOAP./MILD DETERGENT & WATER FOR 15-20 MINS. EYES: WASH  
IMMEDIATELY W/WATER FOR 15-20 MINS. INGESTION: DON'T USE GASTRIC  
LAVAGE/EMESIS. GIVE LARGE AMOUNTS OF WATER/MILK. REPEAT IF VOMITING  
OCCURS. DILUTE 100 TIMES TO RENDER HARMLESS. NEVER GIVE ANYTHING BY  
MOUTH TO (SEE SUPP)

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===== Fire Fighting Measures =====  
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Extinguishing Media:WATER, DRY CHEMICAL/SODA ASH. LARGE: FLOOD AREA  
W/WATER FROM A DISTANCE.  
Fire Fighting Procedures:SAFELY MOVE CONTAINERS. COOL CONTAINERS  
W/FLOODING AMOUNTS OF WATER FROM SAFE DISTANCE. KEEP UPWIND. USE  
UNMANNED HOSE HOLDER/MONITOR HOSE FOR CARGO AREA FIRE.  
Unusual Fire/Explosion Hazard:CONTACT W/EASILY OXIDIZABLE,  
ORGANIC/OTHER COMBUSTIBLE MATERIALS MAY RESULT IN IGNITION, VIOLENT  
COMBUSTION/EXPLOSION.

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===== Accidental Release M

asures =====

Spill Release Procedures:SAFELY STOP LEAK. DON'T TOUCH MATERIAL. USE WATER SPRAY TO REDUCE VAPORS. SMALL: FLUSH AREA W/FLOODING AMOUNTS OF WATER. LARGE: DIKE FOR LATER DISPOSAL. ISOLATE AREA & DENY ENTRY. VENTILATE CLOSED SPACES BEFORE ENTERING. NEUTRALIZE. Neutralizing Agent:SLAKED LIME, SODIUM BICARBONATE/CRUSHED LIMESTONE.

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

Handling and Storage Precautions:PROTECT FROM PHYSICAL DAMAGE. SEPARATE FROM METALLIC POWDERS & OTHER OXIDIZABLE MATERIALS. AVOID DIRECT SUNLIGHT. USE GOOD VENTILATION. Other Precautions:RUNOFF TO SEWER MAY CREATE FIRE/EXPLOSION HAZARD.

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

Respiratory Protection:SPECIFIC RESPIRATORS MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE & MUSTN'T EXCEED WORKING LIMITS OF THE RESPIRATOR & MUST BE APPROVED BY NIOSH/MSHA.

Protective Gloves:REQUIRED

Eye Protection:SPLASH PROOF SAFETY GOGGLES

Other Protective Equipment:DUST RESISTANT SAFETY GOGGLES, EYE WASH FOUNTAIN, QUICK DRENCH SHOWER.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE.

Supplemental Safety and Health

INCOMPATIBLES: ORGANIC MATERIALS, PICRATES, PLASTICS, RUBBER, TERPENES, URANIUM, WOOD. FIRST AID: AN UNCONSCIOUS PERSON/IF DIFFICULTY SWALLOWING. KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Boiling Pt:B.P. Text:181F

Melt/Freeze Pt:M.P/F.P Text:-44F

Vapor Pres:47.9

Vapor Density:3.2

Spec Gravity:1.5027

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS TO PALE YELLOW LIQUID W/SUFFOCATING ODOR.

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

Stability Indicator/Materials to Avoid:YES

WATER, FUELS, ACID, ALCOHOLS, 2-AMINOTHIAZOLE, AMMONIA, BASES, CHLORATES, COATINGS, DIENES, FULMINATES, METALS (S

UPP)  
Stability Condition to Avoid:DIRECT SUNLIGHT  
Hazardous Decomposition Products:THERMAL: TOXIC OXIDES OF NITROGEN

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

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL  
REGULATIONS. EPA HAZARDOUS WASTE NO: D002.

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