

CHEMICAL INTERCHANGE -- NITRIC ACID,55-68% -- 6810-00-222-9655

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

Product ID:NITRIC ACID,55-68%

MSDS Date:04/20/1990

FSC:6810

NIIN:00-222-9655

MSDS Number: BWFKL

=== Responsible Party ===

Company Name:CHEMICAL INTERCHANGE

Address:2932 SOUTH BRENTWOOD

City:ST.LOUIS

State:MO

ZIP:63144

Country:US

Info Phone Num:800-424-9300(CHEMTREC)

Emergency Phone Num:800-424-9300(C

HEMTREC)

Preparer's Name:RANDALL S. MOORE

CAGE:02JT5

=== Contractor Identification ===

Company Name:CHEMICAL INTERCHANGE CO

Address:2932 S BRENTWOOD BLVD

Box:City:SAINT LOUIS

State:MO

ZIP:63144

Country:US

Phone:314-962-9002

CAGE:02JT5

Company Name:PRILLAMAN CHEMICAL CORP

Address:201 SUBBURBAN DR

Box:1606

City:SUFFOLK

State:VA

ZIP:23434-1606

Country:US

Phone:804-539-7401

CAGE:0G5T1

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

Ingred Name:NITRIC ACID (SARA III)

CAS:7697-

37-2  
RTECS #:QU5775000  
Fraction by Wt: 55-68%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 PPM  
ACGIH TLV:2 PPM/4 STEL; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 32-45%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV IS 2PPM TWA;4PPM STEL  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

H  
Health Hazards Acute and Chronic:\*\*HIGHLY CORROSIVE\*\*EYES:MAY CAUSE  
DAMAGE OR BLINDNESS.SKIN:MAY CAUSE CHEMICAL BURNS.INGEST:MAY CAUSE  
GI TRACT ULCERATIONS.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND  
LUNG DAMAGE.CHRONIC:MAY CAUSE TEETH TO DISCOLOR.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:SKIN:YELLOW DISCOLORATION WITH BURNS,POSSIBLE  
DEEP ULCERATIONS.INHAL:>200PPM MAY CAUSE SEVERE LUNG  
DAMAGE,POSSIBLY DEATH.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF EYE,  
SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM  
EXPOSURE.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.IF  
IRRITATION PERSISTS,SEE DOCTOR. SKIN:WASH WITH MILD SOAP AND WATER  
WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION:REMOVE  
VICTIM TO FRESH AIR.GI

VE OXYGEN/CPR IF NEEDED.SEE DOCTOR.

INGESTION:DO NOT INDUCE VOMIT.SEE DOCTOR IMMEDIATELY.IF  
CONSCIOUS,GIVE 1-3 GLASSES OF WATER OR MILK.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SCBA. FIGHT FIRE AS FAR A DISTANCE AS POSSIBLE. COOL  
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NITRI

C ACID MAY YIELD OXYGEN WHEN HEATED,  
WHICH WILL INCREASE THE RATE OF BURNING OF COMBUSTIBLE MATERIAL &  
MAY RESULT IN IGNITION, VIOLENT COMBUSTION OR EXPLSN

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

Spill Release Procedures:REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES.  
VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. NEUTRALIZE  
VERY CAUTIOUSLY. SOAK UP WITH A NON-COMBUSTIBLE,INERT  
ABSORBANT;PLACE IN AN APPROPRIATE DISPOSAL CONTAINER AND COVE  
R.

Neutralizing Agent:SLAKED LIME, SODIUM BICARBONATE OR CRUSHED  
LIMESTONE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED  
AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND  
INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:AVOID EXPOSING PRODUCT TO DIRECT SUNLIGHT. AVOID EYE  
AND SKIN CONTACT. DO NOT BREATHE VAPORS.

===== Exposure Controls/Personal Pro  
tection =====

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR  
A NOISH/MSHA APPROVED RESPIRATOR FOR ACID GAS,DEPENDING ON THE  
AIRBORN CONCENTRATION.

Ventilation:LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW  
PEL.

Protective Gloves:NATURAL RUBBER, NEOPRENE OR PVC GLOVES.

Eye Protection:SPLASH-PROOF GOGGLES AND FACE SHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQ

UIRED TO MINIMIZE

EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health  
NONE.

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

HCC:C1

Boiling Pt:B.P. Text:245-252F

Melt/Freeze Pt:M.P/F.P Text:-4--30F

Vapor Pres:233

Vapor Density:1.28

Spec Gravity:1.36-1.41

pH:1 (N-BUTYL ACETATE=1)

Solubility in Wa

ter:COMPLETE

Appearance and Odor:LIQUID;WATER WHITE TO YELLOW(DEPENDING ON NITROUS OXIDE CONC);SUFFOCATING ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLE MATERIALS, BASES, METALLIC POWDERS, HYDROGEN SULFIDE, CARBIDES, ALCOHOLS, REACTS WITH WATER TO PRODUCE HEAT.

Stability Condition to Avoid:EXTREME HEAT.

Hazardous Decomposition Products:NITROGEN OXIDES.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER D002.

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