

ALLIED CHEMICAL CORP. -- NITRIC AIC,RED FUMING -- 6810-01-016-5196  
===== Product Identification =====

Product ID:NITRIC AIC,RED FUMING  
MSDS Date:01/01/1985  
FSC:6810  
NIIN:01-016-5196  
MSDS Number: BGDQW  
=== Responsible Party ===  
Company Name:ALLIED CHEMICAL CORP.  
Address:COLUMBIA RD & PARK AVE  
Box:1087R  
City:MORRISTOWN  
State:NJ  
ZIP:07960  
Country:US  
CAGE:1L168

=== Contractor Identification ===

Compan  
y Name:ALLIED CHEMICAL COMPANY  
Box:1087R  
CAGE:1L168  
Company Name:ALLIED-SIGNAL INC  
Address:Box:2332R  
City:MORRISTOWN  
State:NJ  
ZIP:07962-2332  
Country:US  
Phone:201-455-4414  
CAGE:1L164

===== 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 =====

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Effects of Overexposure:SEVER BURNS TO EYES, SKIN,INHAL OF VAPOR  
DAMAGES RESPIR TRACT. SYMPTOMS MAY BE DELAYED.

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

First Aid:SKIN:FLUSH W WATER.EYES:FLUSH W/WATER 15 MIN.GET IMMED  
MEDICAL ATTN.IF INHALED:REMOVE TO FRESH AIR,GET IMMEDIATE MEDICAL  
ATTENTION.

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

Extinguishing Media:IF INVOLVED IN A FIRE,USE WATER SPRAY.

Fire Fighting Procedures:AV

OID INHAL OF GAS.USE SELF-CNTND BRTHG APP.

Unusual Fire/Explosion Hazard:WILL INCREAS FLAMABILITY OF  
WOOD,ORGANICS.CAUSES EXPLOS W H\*25,METAL  
POWDERS,CARBIDES,TURPENTINE.

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

Spill Release Procedures:FLUSH WITH PLENTY OF WATER AND NEUTRALIZE WITH  
ALKALINE MATL SUCH AS SODA ASH,LIME,ETC. PROVIDE ADEQUATE  
VENTILATION AS OXIDES OF NITROGEN AND CO\*2 ARE GENERATED DURING  
NEUTRALIZATION.

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

Handling and Storage Precautions:STORE IN WELL VENTILATED PROPERLY  
DRAINED SITE AWAY FROM HEAT,SUN.ISOLATE FROM  
METALS,ORGANICS,WOOD,PAPER PRODUCTS.

Other Precautions:NITRIC ACID VAPRO AND OXIDES ARE INSIDIOUS.SUMPTOMS  
FROM INHALATION MAY BE DELAYED.DO NOT BREATH FUMES.SEE MCA CHEMICAL  
SAFETY DATA SHEET SD-5,FROM MANUFACT CHEM ASSO. IN WASHINGTON D.C.

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

Respiratory Protect

ion:USE SELF-CNTND OR CLEAN AIR SUPPLIED BREATHING  
APPARATUS

Ventilation:LOCAL EXHAUST SUFFICIENT TO ELIMINATE ALL FUMES

Protective Gloves:NEOPRENE

Eye Protection:CHEM SAFETY GOGGLES

Other Protective Equipment:NEOPREN APRON/SHOES,HARD HAT,NEOPRENE  
CLOTHNG,FACE SHIELD

Supplemental Safety and Health

BP:471-484C.

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

HCC:D2

Boiling Pt:B.P. Text:244-251F

Vapor Pres:3.0

Vapor Density:3.2

Spec Gravity:1.41

Evaporation Rate &

; Reference:ESSENTIALLY 1

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS TO LIGHT YELLOW WITH ACRID ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

METALS,H\*2S,WOOD,EXCELSIOR,PAPER PRODUCTS,SIMILAR ORGANICS.

Hazardous Decomposition Products:POISONOUS OXIDES OF NITROGEN(GASEOUS)

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

Waste Disposal Methods:DILUTE AND NE

UTRALIZE.IF PERMITTED BY

LOCAL,STATE AND FEDERAL REGULATIONS,FLUSH NEUTRAL RESIDUE TO SEWER  
WITH PLENTY OF WATER.CONTACT LOCAL AUTHORITIES FOR DISPOSAL  
COMPLIANCE.

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