

ANACHEMIA CHEMICALS INC -- NITRIC ACID,60-71 %,A 115 -- 6810-00-222-9655

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

Product ID:NITRIC ACID,60-71 %,A 115

MSDS Date:01/04/1996

FSC:6810

NIIN:00-222-9655

MSDS Number: CHVSW

=== Responsible Party ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

City:ROUSES POINT

State:NY

ZIP:12979

Country:US

Info Phone Num:518-297-4444/514-489-5711 (MSDS)

Emergen

cy Phone Num:518-297-4444

Chemtrec Ind/Phone:(800)424-9300

CAGE:4A444

=== Contractor Identification ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

Box:City:ROUSES POINT

State:NY

ZIP:12979

Country:US

Phone:518-297-4444

CAGE:4A444

Company Name:CHEM SCIENTIFIC INC

Address:1250 WASHINGTON ST

Box:City:NORWOOD

State:MA

ZIP:02062

Country:US

Phone:781-440-0900

CAGE:0X801

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

Ingred Name:NITRIC ACID (SARA 302/313) (CERCLA

)
CAS:7697-37-2
RTECS #:QU5775000
Fraction by Wt: 60 - 71%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 PPM
ACGIH TLV:2 PPM/4 STEL; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LC50 (RAT): 49 PPM/4H
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN, LUNG, TEETH.
ACUTE- MAY BE FATAL BY INGESTION/INHALATION. EFFECTS MAY BE
DELAYED. CAUSES SEVERE EYE & SKIN BURNS & BLINDNESS. EXTREMELY
DESTRUCTIVE TO RESPIRATORY TRACT. INGESTION CAN CAUSE BURNS,
ABDOMINAL PAIN, CONVULSION, KIDNEY DAMAGE, COMA & DEATH. CHRONIC-
TEETH EROSION, LUNG DAMAGE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SEVERE IRRITATION,
BURNS, COUGHING, DIFFICULT
BREATHING, CHEST PAIN, ABDOMINAL PAIN, NAUSEA, VOMITING, DENTAL
EROSION, CHOKING, SKIN REDNESS OR YELLOW-BROWN STAIN, LOSS OF
VISION, SKIN LESIONS, COMA, HEADACHE, CONVULSION, DEATH
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET I

IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE.

EYE/SKIN: AT ONCE FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED: MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: DO NOT INDUCE VOMITING. IF CONSCIOUS, WASHOUT MOUTH WITH WATER & DRINK SEVERAL GLASSES OF MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS.

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

Flash Point:N

ONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:USE FLOODING AMOUNT OF WATER. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:STRONG OXIDIZER. CONTACT WITH COMBUSTIBLES, FLAMMABLES/POWDERED METALS CAN CAUSE FIRE OR EXPLOSION. REACTS WITH MOST METALS FO

RMING HYDROGEN WHICH CAN EXPLODE.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. REMOVE IGNITION SOURCES (H2 MAY BE PRESENT). DO NOT RELEASE INTO SOIL, SEWER. COVER SPILL WITH SODA ASH. PLACE IN A SUITABLE CONTAINER FOR DISPOSAL. W ASH SPILL SITE WITH WATER TO REMOVE RESIDUE.

Neutralizing Agent:SODA ASH, LIME, SODIUM BICARBONATE

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

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Handling and Storage Precautions:STORE IN COOL, WELL-VENTILATED, CORROSION-PROOF AREA, AWAY FROM SUNLIGHT, HEAT, FLAME, COMBUSTIBLES & INCOMPATIBLES. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DANGER! CORROSIVE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID BREATHING VAPORS. USE UNDER THE HOOD WITH ADEQUATE VENTILATION. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. WASH THOROUGHLY AFTER H ANDLING. EMPTY CONTAINER RETAINS RESIDUE

===== Expo

sure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE WHEN PERMISSIBLE EXPOSURE LIMITS ARE EXCEEDED. DO NOT USE CHEMICAL CARTRIDGE RESPIRATORS WITH OXIDIZABLE SORBANTS. USE UNDER THE HOOD.
Ventilation:PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA PERMISSIBLE EXPOSURE LIMITS (OSHA PEL).
Protective Gloves:PVC, NEOPRENE, BUTYL
Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES
Other Protective Equipment:RUBBER SPLASH APRON, RUBBER BOOTS, EYEWASH FOUNTAIN, SAFETY SHOWER
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY AND SUPPORTIVELY. WASH AFFECTED SKIN AREAS WITH 5% SOLUTION OF SODIUM BICARBONATE. IF INGESTED, RISK VERSUS THE BENEFIT OF THE PASSAGE OF A NASO-GASTRIC TUBE IS DEBATABLE. ACTIVATED CHARCOAL IS OF NO VALUE. DO NOT GIVE THE EXPOSED PERSON BICARBONATE TO NEUTRALIZE THE MATERIAL.

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

HCC:C4
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:248F - 250F
Melt/Freeze Pt:=-32.2C, -26.F
Vapor Pres:8-11 @ 77F
Vapor Density:2.3
Spec Gravity:1.3 - 1.5
pH:1
Evaporation Rate & Reference: