

NITINE INC -- HYDROCHLORIC ACID -- 6810-00-753-4786

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

Product ID:HYDROCHLORIC ACID

MSDS Date:08/07/1991

FSC:6810

NIIN:00-753-4786

MSDS Number: BXFQX

=== Responsible Party ===

Company Name:NITINE INC

Address:697 RT 46

City:CLIFTON

State:NJ

ZIP:07015

Country:US

Info Phone Num:OUT OF BUSINESS

Emergency Phone Num:OUT OF BUSINESS

Preparer's Name:HMIS

CAGE:6F012

=== Cont

ractor Identification ===

Company Name:NITINE INC

Address:697 ROUTE 46

Box:City:CLIFTON

State:NJ

ZIP:07015

Country:US

CAGE:6F012

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 33-40%

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 60-67%

Other REC Limits:NONE RECOM

MENDED

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

LD50 LC50 Mixture:LD50 ORAL = 900 MG/KG (RABBIT)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION OF VAPORS MAY CAUSE

PULMONARY EDEMA, CIRCULATORY SYSTEM COLLAPSE, DAMAGE TO UPPER
RESPIRATORY SYSTEM, COLLASPE. MAY CAUSE COUGHING AND DIFFICULT
BREATHING. LIQUID MAY CAUSE SEVERE BURNS TO SKIN AND EYES.

INGESTION MAY CAUSE SEVERE BURNING TO STOMACH AND MOUTH. MAY CAUSE
NAUSEA AND VOMITING.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS

CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:PULMONARY EDEMA, CIRCULATORY SYSTEM COLLAPSE,
UPPER RESPIRATORY TRACT DAMAGE, COLLAPSE, COUGHING, DIFFICULTY IN
BREATHING, EYE BURNS, SKIN BURNS, BURNS TO STOMACH AND/OR MOUTH,
NAUSEA AND VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECI
FIED BY MANUFACTURER.

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

First Aid:CALL A PHYSICIAN AT ONCE. INGESTION: DO NOT INDUCE VOMITING.

IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.

IF BREA THING IS DIFFICULT, GIVE OXYGEN. EYES/SKIN: IMMEDIATELY

FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING
CONTAMINATED CLOTHING AND SHOES.

=====

= Fire Fighting Measures =====

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING
FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:DO NOT GET WATER INSIDE OF CONTAINERS.
MAY EMIT HYDROGEN GAS UPON CON

TACT WITH METAL.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. STOP LEAK IF CAN DO SO WITHOUT RISK. VENTILATE AREA. NEUTRALIZE SPILL. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER. REMOVE FROM AREA.FLUSH AREA

Neutralizing Agent:SODA ASH OR LIME.

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

Handling and S

torage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. ISOLATE FROM INCOMPATIBLE MATERIALS. DO NOT STORE NEAR OXIDIZING MATERIALS.

Other Precautions:EPA HAZARDOUS WASTE NUMBER: D002 (CORROSIVE WASTE).

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:ACID RESISTANT

Eye Protection:SAFETY GOGGLES AND FACE SHEILD

Other Protective Equipment:UNIFORM, PROTECTIVE SUIT

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

MSDS GENERATED BY HMIS FOR TECHNICAL SUPPORT REQUEST. THE MANUFACTURER IS OUT OF BUSINESS. T

HE USER OF THIS INFORMATION IS RESPONSIBLE TO

USE THIS INFORMATION KNOWING THAT IT MAY OR MAY NOT BE CORRECT .

THIS MSDS WAS IN RESPONSE TO THE ITEMNAME OF HYDROCHLORIC ACID AND CAGE OF THE MANUFACTURER.

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

HCC:C1

Boiling Pt:B.P. Text:230F,110C

Melt/Freeze Pt:M.P/F.P Text:-13F,-25C

Vapor Pres:NOT GIVEN

Vapor Density:1.3

Spec Gravity:1.19

pH:1.0

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

A

pppearance and Odor: CLEAR, COLORLESS OR SLIGHTLY YELLOW, PUNGENT,
FUMING LIQUID.

Percent Volatiles by Volume: 100 %

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

Stability Indicator/Materials to Avoid: YES

MOST COMMON METALS, WATER, AMINES, METAL OXIDES, ACETIC ANHYDRIDE,
PROPIOLACETONE, VINYL ACETATE, MERCURIC SULFATE

Stability Condition to Avoid: HEAT, MOISTURE

Hazardous Decomposition Products: HYDROGEN CHLORIDE, HYDROGEN, CHLORINE

===== Disposal Con
siderations =====

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this informati
on to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.