

LABCHEM INC -- LC14500 HYDROCHLORIC ACID,0.1N IN ISOPROPANOL -- 6810-01-448-7152

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

Product ID:LC14500 HYDROCHLORIC ACID,0.1N IN ISOPROPANOL

MSDS Date:11/10/1993

FSC:6810

NIIN:01-448-7152

MSDS Number: CFLJY

=== Responsible Party ===

Company Name:LABCHEM INC

Address:200 WILLIAM PITT WAY

City:PITTSBURGH

State:PA

ZIP:15238

Country:US

Info Phone Num:412-826-5230

Emergency Phone Num:412-826-5230

Preparer's Name:AL BERANEK

CAGE:EO318

=== 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

Company Name:LABCHEM INC

Address:200 WILLIAM PITT WAY

City:PITTSBURGH

State:PA

ZIP:15238

Country:US

Phone:412-826-5230

CAGE:EO318

Company Name:LABCHEM, INC.

Address:200 WILLIAM PITT WAY

Box:City:PITTSBURGH

State:PA

ZIP:15238

Country:US

Phone:412-826-5230

CAGE:0MX47

===== Composition/Information

on Ingredients =====

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313)
(CERCLA)
CAS:7647-01-0
RTECS #:MW4025000
Fraction by Wt: 0.37%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:HCL-SEVERE EYE/MUC MEMBR/SKIN
IRRIT.ISOPROPANOL-SKIN/MUC MEMBRANE IRRIT,SEVERE EYE IRRIT,CNS
DEPRESS. HCL-INHAL:ACUTE BURN OF NOSE/THROAT ULCERATION OF RESP
TRACT W/BRONCHITIS,PNEUMONIA,PALPITATIONS,D ENTAL
EROSION,PERFORATION.VAP IRRIT EYE,LIQ CLOUDS CORNE
AL,EROSION UP TO
TOTAL OPACIFICATION,LOSS OF EYE.(SIGN/SYMPT)
Explanation of Carcinogenicity:PER MSDS:HCL-NONE.ISOPROPANOL-SUSP HUMAN
CARC-IARC;HUMAN CARC-NTP.WORKERS MFG ISOPROPANOL SHOW INCR
SINUS/LARYNGEAL CANC
Effects of Overexposure:HEALTH:INGEST:BURNS,PERFORATION,CIRCULATORY
COLLAPSE LEADS TO RENAL/LIVER/HEART
FAILURE.ISOPROPANOL-INHAL:DIZZ,INCOORD,HEAD,STUPOR,NAU,HEMATEMESIS,
HPOTENSION,ANEMIA,NARCOSIS,AREFLEXIA,DEPRESS RESP LEA DS TO
COMA.SKIN:NARCOSIS W/NAU,V

OMIT.EYE:IRRI,LACYRAMATION,BURNS W/PERM
CORNEAL DMG.INGEST:ABD PAIN,UREMIA,DIURESIS,OLI
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:MOVE TO FRESH AIR,GIVE ART RESP IF NECESSARY.MAINTAIN
AIRWAY-MED PERSON MAY GIVE OXY.KEEP WARM/@REST.SKIN:REMOVE CONT
CLOTH.WASH W/SOAP/H2O.FLUSH W/LOTS OF H2O(15-20MINS)TIL CHEM
GONE.EYE:FLUSH W/LOTS OF H2O(15-20MINE),LIFT LIDS,TIL CHEM

GONE.COVER BURNS W/LOOSE STERILE NONMED BANDAGES.INGEST:CONSC GIVE
2-4GLASSES H2O.VOMIT PREVENT ASPIRATION.IN ALL CASES GET MED AID
@ONCE.

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

Flash Point:53.0F,11.7C
Autoignition Temp:Autoignition Temp Text:750F
Lower Limits:2.0
Upper Limits:12.7
Extinguishing Media:DRY CHEMICAL, CAROBN DIOXIDE, WATER SPRAY OR FOAM.
Fire Fighting Procedures:DANGEROUS FIRE,NEGLIGIBLE EXPLO HAZ WHEN EXPO
TO HEAT/FLAME.VAP-AIR MIXTUR
ES EXPLO ABOVE FLASH PT.
Unusual Fire/Explosion Hazard:VAP HEAVIER THAN AIR,TRAVEL CONSIDERABLE
DISTANCE TO IGNITION SOURCE & FLASH BACK.MOVE CONTAINER IF
POSSIBLE,COOL.WATER MAY BE INEFFECTIVE.AVOID BREATHING VAPOR

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

Spill Release Procedures:SHUT OFF IGN SOURCE.VENTI AREA.ABSORB W/NONRX
MATL-SAND,DIATOMACEOUS EARTH,NONCOMBUST,SCOOP INTO CNTNR.CLS
TIGHTLY.LABEL FLAMM FOR LATER DISPO.AREA MAY BE WASH DOWN W/FLOOD
AMTS OF H2O.DONT ALLOW VAP TO ACCUMULATE IN DRAIN/SEWER/LOW LEVEL
ENCLS/WELLS
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE CAPPED AS FLAMM LIQ INSAFETY
CABINET OR VAULT THAT IS VENTILATED.PROTECT FROM HEAT/INCOMPATIBLE
SUBSTANCES.
Other Precautions:METAL CONTAINERS MUST BE ELECTRONICALLY GROUNDED
DURING LIQUID TRANSFER.

===== Exposure Controls/Personal

Protection =====

Respiratory Protection:1000PPM-CCROVF, 5000PPM-GMOVC,
20000PPM-GMOVFB/SAF/SCBAF.FIREFIGHTING-SCBAF;PD,-PP.ESCAPE-GMOV/SCB
A.RESPIRATOR CODES DHEW(NIOSH)PUBLICATION NO.78-210.

Ventilation:PROVIDE LOC EXHAU/PROCESS ENCLOSURE TO MEET PEL.EQPMT MUST
BE EXPLO PROOF.ODOR DETECTION NOT SUBST FOR MONITORS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SPLASH-PROOF GOGGLES.

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING.PROVIDE
EYEWASH FOUNTAIN

IN IMMED WORKAREA.DONT WEAR CONTACT LENSES WHEN
WORKING W/CHEMS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

INCOMPAT:POTASSOIIUM PERMANGANATE,H2SO4,PERCHLORIC ACID,CALCIUM &
URANIUM PHOSPHIDE,PERCHLORATES,MAGNESIUM BORIDE.RELEASES HAZ SUBST
IN CONTACT W/CYANIDES,SULFIDES,FORMALDEHYDE.ISOPROPANOL-VIOL/EXPLO
R X W/OXIDIZERS,MATLS LIKE
PHOSGENE,NITROFORM,TIRNITROMETHANE,2-BUTANONE,H2O2,OXY,OLEUM,METAL
ALKYLIS(TRIISOBUTYLALUMINUM)

=

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

HCC:F3

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:ACIDIC

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR COLORLESS LIQUID, SLIGHT ODOR RESEMBLING
ACETONE/ETHANOL MIXTURE

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

====

Stability Indicator/Materials to Avoid: YES
HCL-RX VIOL/EXPLO W/METALS, ALKALIS, OXIDIZERS (LIKE ALCOHOLIC HYDROGEN CYANIDE), TETRASELENIUM TETRANITRIDE, SODIUM, (SUPPL)
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: COMBUSTION MAY RELEASE TOXIC OXIDES OF CARBON AND HYDROGEN CHLORIDE GAS.

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

Waste Disposal Methods: DISPO IAW LOCAL, STATE AND FEDERAL 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 information 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.