

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

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Product Identification  
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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

Emerge

ncy 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

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Composition/Information on Ingredients  
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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 T

LV:400 PPM/500STEL;9596

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Hazards Identification  
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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,PALPITATIO

NS,D ENTAL

EROSION,PERFORATION.VAP IRRIT EYE,LIQ CLOUDS CORNEAL,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,NARCOSI

S,AREFLEXIA,DEPRESS RESP LEA DS TO  
COMA.SKIN:NARCOSIS W/NAU,VOMIT.EYE:IRRI,LACYRAMATION,BURNS W/PERM  
CORNEAL DMG.INGEST:ABD PAIN,UREMIA,DIURESIS,OLIU  
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 FIR  
E,NEGLIGIBLE EXPLO HAZ WHEN EXPO  
TO HEAT/FLAME.VAP-AIR MIXTURES 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  
T  
IGHTLY.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  
DU

# RING 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 Equip

ment: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 Method

s: DISPO IAW LOCAL, STATE AND FEDERAL REGULATIONS.

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