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UNION CARBIDE CORP., LINDE DIVISION -- ISOPROPANOL, ANHYDROUS -- 6810-00-855-1158

Product ID:ISOPROPANOL, ANHYDROUS

MSDS Date:05/15/1989

FSC:6810

NIIN:00-855-1158

MSDS Number: BJLKG === Responsible Party ===

Company Name: UNION CARBIDE CORP., LINDE DIVISION

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001 Country:US

Info Phone Num:800-822-4357

F

mergency Phone Num:800-822-4357

CAGE:61637

=== Contractor Identification ===

Company Name: UNION CARBIDE CORP Address: 39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001 Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

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

Ingred Name: ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000 Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED OSHA PEL:400 PPM/500 STEL ACGIH TLV:400 PPM/500STEL;9192

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 5045 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES:CAUSES SLIGHT TO MODERATE IRRITATION, WITH POSSIBLE CORNEAL INJURY.SKIN:PROLONGED CONTACT MAY CAUSE DRYING.INHALATION:LOW CONCENTRATIONS MAY CAUSE MILD IRRITATION TO NOSE & THROAT.HIGH CONCE NTRATIONS MAY CAUSE HEADACHE

& DROWSINESS.INGESTION:SLIGHTLY TOXIC.LARGE QUANTITY MAY CAUSE LOSS OF CONSCIOUSNESS.

Explanation of Carcinogenicity:IARC INDICATES "INADEQUATE EVIDENCE AS TO ITS CARCINOGENICITY TO HUMAN".

Effects of Overexposure:EYE:SLIGHT-MODERATE IRRITATION WITH POSSIBLE CORNEAL INJURY.SKIN:CRACKING.INHALATION:MAY CAUSE DROWSINESS,IRRITATION OF THE NOSE AND THROAT.SWALLOWING:LARGE QUANTITY MAY CAUSE DROWSINESS & LOSS OF CON SCIOUSNESS.STOMACH CRAMPS,PAIN,NAUSEA,VOMITING AND DIARRHEA MAY ALSO OCCUR.

Medical Cond Aggravated by Exposure: NONE CURRENTLY KNOWN

First Aid:EYE:FLUSH W/WATER 15 MIN,HOLD LIDS OPEN.CALL A DOCTOR.SKIN:WASH AREA WITH WATER.INHALED:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NECESSARY.CALL A DOCTOR AS SOON AS POSSIBLE.INGESTION:GIVE TWO GLASSES OF WATER AND INDUCE VOMITING.IF A SIGNIFICANT QUANTITY HAS BEEN SWALLOWED, GET MEDICAL ATTENTION PROMPTLY.

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

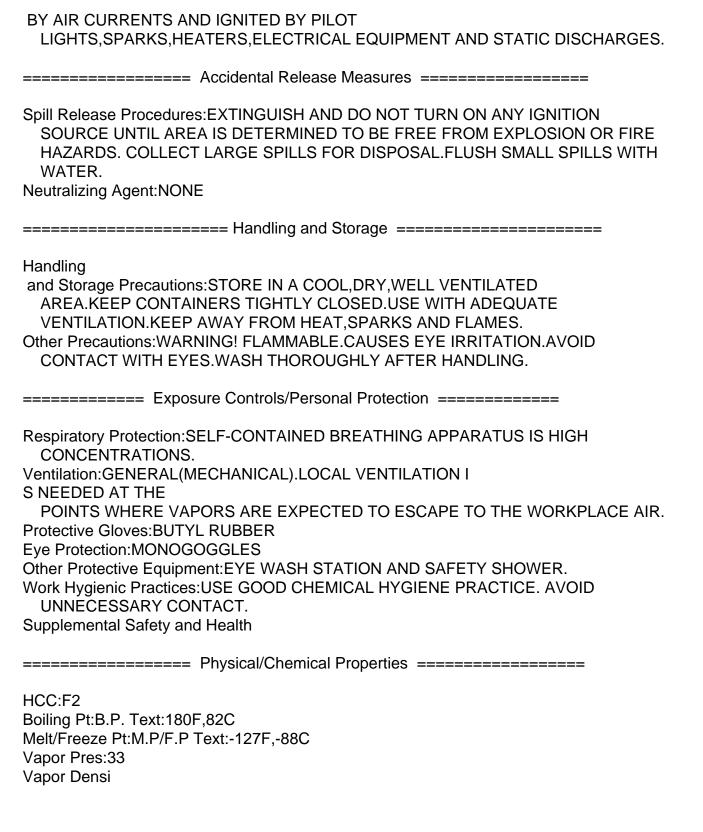
Flash Point Method:CC Flash Point:53.0F,11.7C

Lower Limits:2.0

Upper Limits:12.7 @ 200F

Extinguishing Media:APPLY ALCOHOL-TYPE OR ALL-PURPOSE-TYPE FOAMS BY MANUFACTURER'S RECOMMENDED TECHNIQUES FOR LARGE FIRES.CO2, DRY CHEMICAL

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. Unusual Fire/Explosion Hazard:VAPORS FORM FROM THIS PRODUCT AND MAY TRAVEL



Stability Indicator/Materials to Avoid:YES
CONCENTRATED SULFURIC AND NITRIC ACIDS, STRONG OXIDIZERS, ALDEHYDES,
HALOGENS, AND HALOGEN COMPOUNDS
Stability Condition to Avoid:HEAT, SPARKS, FLAME
Hazardous Decomposition Prod
ucts:CARBON MONOXIDE AND/OR CARBON DIOXIDE

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

Waste Disposal Methods:INCINERATE IN A FURNACE WHERE PERMITTED UNDER APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS. AT VERY LOW CONCENTRATION IN WATER (10PPM),THIS PRODUCT CAN BE READILY BIODEGRADED IN A BIOLOGICAL WAST EWATER TREATMENT PLANT.

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particular situation.