

CHEMICAL COMMODITIES AGENCY, INC. -- ISOPROPYL ALCOHOL, TECHNICAL -- 6810-01-382-2904
===== Product Identification =====

Product ID: ISOPROPYL ALCOHOL, TECHNICAL

MSDS Date: 05/01/1993

FSC: 6810

NIIN: 01-382-2904

MSDS Number: BYDMG

=== Responsible Party ===

Company Name: CHEMICAL COMMODITIES AGENCY, INC.

Address: 27447 PACIFIC STREET

City: HIGHLAND

State: CA

ZIP: 92346-2640

Country: US

Info Phone Num: 909-864-

2310/FAX 6220 D. ANGELO

Emergency Phone Num: 909-864-2310

CAGE: 60777

=== Contractor Identification ===

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

Ingred Name: ISOPROPYL ALCOHOL (SARA 313)

CAS: 67-63-0

RTECS #: NT8050000

Fraction by Wt: 100%

Other REC Limits: NONE DETERMINED

OSHA PEL: 400 PPM

ACGIH TLV: 400 PPM/500 STEL;

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 3600 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:INHALATION:12,000 PPM IDLH. IRRITATION OF NOSE & THROAT, INEBRIATION. EYES:IRRITATION, CORNEAL BURNS. SKIN:SLIGHT IRRITATION. MAY BE DERMALLY ABSORBED. INGESTION:TOXIC IF INGESTED IN QUANTITIES.

Explanation of Carcinogeni

city:CARCINOGENIC TO WORKERS INVOLVED IN THE STRONG ACID METHOD OF PRODUCTION OF ISOPROPYL ALCOHOL.

Effects of Overexposure:INHALATION:HIGHER CONCENTRATIONS MAY CAUSE HEADACHE, VOMITING, COMA. EVEN HIGHER CONCENTRATIONS MAY CAUSE COMA OR DEATH. SKIN:DRYNESS, POSSIBLE DERMATITIS. INGESTION:LARGE AMOUNTS CAUSES HEADACHE, NAU SEA, VOMITING, STOMACH CRAMPS, UNCONSCIOUSNESS OR DEATH.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

===== Fir

st Aid Measures =====

First Aid:INHALATION:REMOVE FROM EXPOSURE. GIVE ARTIFICIAL RESPIRATION IF NEEDED, SEEK MEDICAL ATTENTION. EYES:FLUSH WITH WATER FOR 15 MINUTES, GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING & WASH AR EA WITH SOAP & WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. INGESTION:GIVE OXYGEN IF IN RESPIRATORY DEPRESSION. GIVE ACTIVATED CHARCOAL. GET IMMEDIATE MEDICAL ATTENTION. USE GASTRIC LAVAGE.

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Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:53.0F,11.7C

Lower Limits:2.0

Upper Limits:12.7

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL RESISTANT FOAM.

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF W/O RISK. USE COOLING WATER ON CONTAINERS UNTIL WELL AFTER FIRE IS OUT. FOR MASSIVE FIRE USE UNMANNED HOSE HOLDER. AVOID TANKS.

Unusual Fire/Explosion Hazard:SOLID STREAM OF WATER MAY BE INEFFECTIVE. EXTINGUISH

ONLY IF FLOW CAN BE STOPPED. USE WATER IN FLOODING AMOUNTS AS FOG. APPLY WATER FROM A LARGE DISTANCE.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. STOP LEAK IF W/O RISK. TAKE UP W/SAND OR OTHER ABSORBENT & PLACE INTO CONTAINERS FOR LATER DISPOSAL.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:STORE PER 29DFR1910.106. BOND &

GROUND CONTAINERS PER NFPA 77-1983. STORE AWAY FROM INCOMPATIBLES.

Other Precautions:OBSERVE ALL FEDERAL, STATE & LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE.

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

Respiratory Protection:USE RESPIRATOR BASED UPON CONTAMINATION LEVELS IN THE WORK PLACE & MUST NOT EXCEED ITS WORKING LIMITS. MUST BE JOINTLY APPROVED BY NIOSH & MSHA. FOLLOW NIOSH CRITERIA RECOMMENDED

IN POCKET GUIDE OR IN 29CFR1910.

Ventilation:PROVIDE GENERAL DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS. EQUIPMENT MUST BE EXPLOSION PROOF.

Protective Gloves:APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SPLASH PROOF OR DUST RESISTANT GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING & EQUIPMENT TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. EYE WASH FOUNTAIN IN IMMEDIATE AREA.

Work Hygienic Practices:MFR GAVE NO INFORMATION ON MSDS.

Supplemental Safety and Health

THIS MSDS WAS RECEIVED (APPARENTLY FISHER SCIENTIFIC) WITH CHEMICAL COMMODITIES AGENCY HAND WRITTEN ON IT AND ALL OTHER IDENTIFICATION OBLITERATED.

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

HCC:F2

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-129F,-89C

Vapor Pres:40 MM

Vapor Density:2.1

Spec Gravity:0.7855

Evaporation Rate & Reference:2.88 (BUTYL ACETATE=1)

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS LIQUID

D W/AN ODOR OF ALCOHOL

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

Stability Indicator/Materials to Avoid: YES

ACIDS, ALUMINUM, PERCHLORATES, OXIDIZERS, OLEUM, PHOSGENE,

Stability Condition to Avoid: HEAT, SPARKS AND OPEN FLAMES. SLOWLY

PEROXIDIZES ON EXPOSURE TO AIR; AN EXPLOSION HAZARD IF DISTILLED OR ALLOWED TO DRY.

Hazardous Decomposition Products: TOXIC OXIDES OF CARBON.

Conditions to Avoid Polymerization: HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO O

CCUR UNDER NORMAL TEMPERATURES OR PRESSURES

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

Waste Disposal Methods: DISPOSAL MUST BE I/A/W STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE, 40CFR262. EPA WASTE NO D001.

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