

CHEMICAL COMMODITIES AGENCY, INC. -- ISOPROPYL ALCOHOL -- 6810-00-286-5435

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

Product ID:ISOPROPYL ALCOHOL

MSDS Date:08/01/1993

FSC:6810

NIIN:00-286-5435

MSDS Number: CHQHX

=== 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. ANG

ELO

Emergency Phone Num:909-864-2310

CAGE:60777

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

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State:CA

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

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

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

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

Health Hazards Acute and Chronic:INHALATION-IRRITATION OF NOSE & THROAT. EXPOSURE TO HIGH CONCENTRATIONS HAS A NARCOTIC AFFECT. SKIN-HAS A DEFATTING ACTION OF THE SKIN. EYES-VAPORS MAY CAUSE IRRITATION TO THE EYES. CHRONIC: DERMATIT IS.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:INHALATION

-DROWSINESS, HEADACHE, STAGGERING, UNCONSCIOUSNESS. INGESTION-DROWSINESS, UNCONSCIOUSNESS AND DEATH. PAIN, CRAMPS, NAUSEA AND DIZZINESS MAY RESULT. SKIN-STINGING AND BURNING SENSATION. EYES- CORNEAL BURNS AND EYE INJURY.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS, IMPAIRED RESPIRATORY FUNCTIONS MAY BE MORE SUSCEPTIBLE.

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First Aid Measures  
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First Aid:INHALATION-MOVE TO FRESH AIR. GIVE SRTIFICIAL RESPIRATION IF

NEEDED. GIVE OXYGEN IF AVAILABLE. INGESTION-GIVE WATER TO DRINK. INDUCE VOMITING. SEEK MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES. WASH SKIN WITH SOAP AND WATER FOR AT LEAST 15 MIN. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. EYES-FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN. SEEK MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point:53.6F,12.0C

Lower Limits:2

Upper Limits:12

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shing Media:WATER SPRAY, DRY CHEMICAL, ALCOHOL FOAM OR CARBON DIOXIDE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING & SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE GEAR. WATER MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES & DILUTE.

Unusual Fire/Explosion Hazard:VAPORS CAN FLOW ALONG SURFACES TO DISTANT IGNITION SOURCE & FLASH BACK. ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FL

AMMABLE LIMITS LISTED ABOVE

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA OF SPILL OR LEAK. CLEAN-UP PERSONNEL MAY REQUIRE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION FROM VAPORS. SMALL SPILLS MAY BE ABSORBED ON PAPER TOWELS AND EVAPORATED IN A FUME HOOD. ALLOW ENOUGH TIME.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE.

Other Precautions:OUTSIDE OR DETACHED STORAGE IS PREFERRED, SEPERATE FROM OXIDIZING MATERIALS. CONTAINERS MAY BE BONDED. STORAGE AND USE AREAS SHOULD NOT BE SMOKING AREAS. USE NONSPARKING TOOLS.

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

Respiratory Protection:IF THE TLV IS EXCEEDED A FULL FACEPIECE CHEMICAL

CARTRIDGE RESPIRATOR MAY BE WORN.

Ventilation:LOCAL OR GENERAL EXHAUST.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL GOGGLES/FULL FACE SHIELD.

Other Protective Equipment:BOOTS, GLOVES, LAB COAT, APRON, COVERALLS.

Work Hygienic Practices:EYE WASH FOUNTAIN, QUICK DRENCH SHOWER.

Supplemental Safety and Health

FLAMMABLE.

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

HCC:F2

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

Melt/Freeze Pt:M.P/F.P Text:-128F,-89C

Vapor Pres:33

Vap

or Density:2.1  
Spec Gravity:0.79  
Evaporation Rate & Reference:2.83  
Solubility in Water:INFINITE IN WATER  
Appearance and Odor:CLEAR, COLORLESS LIQUID.

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

Stability Indicator/Materials to Avoid:YES  
HEAT, FLAMES, STRONG OXIDANTS, ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE,  
HYDROGEN-PALLADINE, ETC.

Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE &  
STORAGE, HEAT & SUNLIGHT CAN CONTRIBUTE TO INSTABILITY.

Hazardous Decomposition Products:TOXIC GASES, CARBON MONOXIDE,  
TERT-BUTOXIDE, HYPOCHLOROUS ACID, ISOCYANATES, NITROFORM,  
PERCHLORIC ACID.

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

Waste Disposal Methods:CONTAIN AND RECOVER LIQUID FOR RECLAMATION IF  
POSSIBLE. LARGER SPILLS AND LOT SIZES CAN BE COLLECTED AS HAZARDOUS  
WASTE AND ATOMIZED IN A SUITABLE RCRA APPROVED COMBUSTION CHAMBER  
OR ABSORBED WITH VER MICULITE, DRY SAND OR SIMILIAR MATERIAL.

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