

CHEM SERVICE, INC. -- ISOBUTYL ALCOHOL -- 6810-00-195-8657

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Product Identification  
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Product ID:ISOBUTYL ALCOHOL

MSDS Date:03/24/1992

FSC:6810

NIIN:00-195-8657

MSDS Number: BQCPF

=== Responsible Party ===

Company Name:CHEM SERVICE, INC.

Box:3108

City:WEST CHESTER

State:PA

ZIP:19381

Country:US

Info Phone Num:215-692-3026

Emergency Phone Num:215-692-3026

CAGE:8Y898

=== Contractor Identific  
ation ===

Company Name:CHEM SERVICE, INC

Address:660 TOWER LN

Box:599

City:WEST CHESTER

State:PA

ZIP:19301-9650

Country:US

Phone:610-692-3026

CAGE:8Y898

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Composition/Information on Ingredients  
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Ingred Name:ISOBUTYL ALCOHOL (SARA III)

CAS:78-83-1

RTECS #:NP9625000

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:100 PPM

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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Hazards Identification  
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LD50 LC50 Mixtu

re:LD50 RAT ORAL 2460 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:HARMFUL IF INHALED/SWALLOWED. CAUSES EYE AND SKIN IRRITATION. CAN CAUSE SEVERE EYE BURNS. INHALATION MAY CAUSE IRRITATION OF RESPIRATORY TRACT, DROWSINESS/UNCONSCIOUSNESS. NARCOTIC AT HIGH CONCENTRATIONS. CAN CAUSE ALLERGIC SKIN REACTIONS.

Effects of Overexposure:EYES:IRRIT,REDNESS,BLURRED VISION. SKIN:IRRIT. ABSORPTION-SYMP LIKE INGEST. INGEST:NAUSEA, DROWSINESS, UNCONSCIOUS. LRG AMT-CNS/LIVER DAMAGE. INHAL:NOSE/THROAT IRRIT, COUGHING, DROWSINESS, CNS PROBLEMS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS,OR IMPAIRED LIVER,KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR /OXYGEN IF NEEDED.

EYE CONTACT:FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL HELP. SKIN CONTACT:WASH WITH SOAP AND WATER. GET MED ATTENTION IF SYMPTOMS PERSIST. INGESTION:DO NOT INDUCE VOMITING, DRINK 1-2 GLASSES OF WATER. GET MEDICAL HELP IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:98.6F,37.0C

Lower Limits:10.9

Upper Limits:1.6

Extinguishing Media:DRY CHEMICAL,FOAM OR CARBON DIOXIDE.DO NOT USE A SOLID STREAM OF WATER,SINCE THE STREAM WILL SCATTER AND SPREAD FIRE.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL PROT EQUIP. WATER SPRAY MAY BE USED TO COOL FIRE EXPOSED CONTRS. VAPOR CAN FLOW TO DISTANT IGNITION SOURCE & FLASH BACK.

Unusual Fire/Explosion Hazard:ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS.

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

Spill Release Procedures:REMOVE IGNIT SOURCES. CLEAN-UP PER

SONNEL NEED

PROT CLOTHING & RESP PROT. CONTAIN & RECOVER LIQ FOR RECLAMATION WHEN POSS. OR ABSORB USING INERT ABSORBENT AND SAVE IN CONTAINERS FOR DISPOSAL.

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

Handling and Storage Precautions:PROTECT FROM PHYSICAL DMG.STORE IN COOL,DRY, WELL-VENT AREA,AWAY FROM ACUTE FIRE HAZ & OXIDIZERS. OUTSIDE OR DETACHED STORE IS BEST.

Other Precautions:BOND/GROUND CONTR FOR TRANSFER TO AVOID STATIC SPARKS. USE NON-SP

ARKING TOOLS & EQUIP.NO SMOKING IN STOR/USE

AREAS.MAINTAIN EYE WASH FOUNTAIN & QUICK-DRENCH FACILITY.DO NOT WEAR CONTACT LENSES.USE WIT H ADEQ VENT.AVOID BRTHG VAPORS.

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN USING IN CONFINED SPACES.

Ventilation:LOCAL AND GENERAL VENTILATION NECESSARY TO KEEP AIR CONCENTRATION BELOW TLV.

Protective Gloves:WEAR IMPE RVIOUS GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:WEAR IMPERVIOUS PROTECTIVE CLOTHING INCLUDING BOOTS,LAB COAT,APRON OR COVERALLS TO PREVENT SKIN CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:F3

Boiling Pt:=108.C, 226.4F

B.P. Text:108C,226F

Melt/Freeze Pt:M.P/F.P Text:-108C,-226F

Vapor Pres:9 MMHG

Vapor Density:2.6

Spec Gravity:0.8

03 (WATER=1)

Evaporation Rate & Reference:0.8 (BUTYL ACETATE=1)

Solubility in Water:8.7% @ 20C,68F

Appearance and Odor:CLEAR,COLORLESS SOLUTION WITH MILD ALCOHOL-LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS,INORGANIC ACIDS,ALDEHYDES,ISOCYANATES.

Stability Condition to Avoid:HEAT, OPEN FLAMES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION WILL PRODUCE

CARBON MONOXIDE,CARBON DIOXIDE,OR ISOBUTYLENE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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