

ASHLAND CHEMICAL CO.,DIV ASHLAND OIL CO. -- ISOPROPANOL (PART 1,LUBRICANT KIT-SEE SUPP) -- 9150-00-424-3224

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

Product ID:ISOPROPANOL (PART 1,LUBRICANT KIT-SEE SUPP)

MSDS Date:07/18/1985

FSC:9150

NIIN:00-424-3224

Kit Part:Y

MSDS Number: BDYNZ

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO.,DIV ASHLAND OIL CO.

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Cou

ntry:US

Info Phone Num:614-790-3333

Emergency Phone Num:606-324-1133

CAGE:5A188

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Address:5200 PAUL BLAZEL MEMORIAL PARKWAY

Box:City:DUBLIN

State:OH

ZIP:43017

Country:US

Phone:614-889-4505

CAGE:5A188

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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

Ingre

d Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: >99%

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

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

LD50 LC50 Mixture:LD50 RAT 5045 MG/KG LDLO MAN 2770 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:PRODUCT IS MILDLY IRRITATING AND
MODERATELY TOXIC. CHRONIC OVEREXPOSURE MAY CAUSE
KIDNEY OR BRAIN
DAMAGE.

Effects of Overexposure:EYE:IRRITATION,TEARING,BLURRED VISION.

SKIN:PROLONGED/REPEATED:DRYING,DEFATTING,DERMATITIS.

INHALED:RESPIRATORY

IRRITATION,HEADACHE,DIZZINESS,FATIGUE,NAUSEA,POSSIBLE COMA.

INGESTED:G/I IRRITATION,NAUSEA,VOMITING,DIARRHEA.

Medical Cond Aggravated by Exposure:NONE REPORTED

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

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:WASH WITH SOAP & WATER.

INHALED:REMOVE

TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION

IF NEEDED,AND IF SO,GET MEDICAL ATTENTION. INGESTION: GIVE 2
GLASSES OF WATER & INDUCE VOMITING. GET MEDICAL ATTENTION.

(NOTHING BY MOUTH IF UNCONSCIOUS.)

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

Flash Point Method:TCC

Flash Point:53F/11C

Lower Limits:2.5

Upper Limits:12.0

Extinguishing Media:DRY CHEMICAL,FOAM,CARBON DIOXIDE. WATER MAY BE
INEFFECTIVE BUT MAY BE USED TO DILUTE PRODUCT TO NON-FLAMMA

BILITY.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR. THEY MAY TRAVEL TO LOW AREAS THEN FLASH-BACK FROM AN IGNITION SOURCE.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. VENTILATE AREA. RECOVER AS LIQUID IF POSSIBLE, ADSORB ON INERT MATERIAL IF NOT. STORE IN TIGHTLY CLOSED CONTAINERS (AS FLAMMABLE LIQUID) PENDING DISPOSAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE AS FLAMMABLE LIQUID; IN A WELL VENTILATED AREA FREE FROM IGNITION SOURCES. OUTSIDE OR DETACHED STORAGE IS SUGGESTED.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING LIQUID. DO NOT CUT, WELD, ETC., ON "EMPTY" CONTAINERS, AS THEY MAY RETAIN EXPLOSIVE QUANTITIES OF LIQUID OR VAPOR.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE PEL/TLV.

Ventilation:USE GENERAL OR LOCAL EXHAUST AS NEEDED TO REDUCE EXPOSURES BELOW PEL/TLV.

Protective Gloves:IMPERVIOUS; RUBBER, VINYL

Eye Protection:SPLASH GOGGLES

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING AS NEEDED TO PROTECT FROM SPLASHES AND PREVENT PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. MINIMIZE CONTACT WITH THE PRODUCT.

Supplemental Safety and Health

THIS IS PART ONE OF THE LUBRICANT KIT. UNDER THE SPEC TYPE I, CHEMICAL COMMODITIES AGENCY BOUGHT ISOPROPNOL FROM ASHLAND CHEM COMPANY AND PACKED WITH MOLYBDENUM DISULFIDE PURCHASED FROM CLIMAX MOLYBDENUM TO MAKE TYPE I KIT OF MIL-L-24478(SH).PART 2 OF THIS KIT IS ENTERED UNDER PN-IND A, THIS NSN, UNDER CAGE 4L063.

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

I Properties =====

HCC:F2

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

Vapor Pres:33 MM

Vapor Density:2.0

Spec Gravity:0.783

Evaporation Rate & Reference:7.70 ETHYL ETHER

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR COLORLESS LIQUID,ALCOHOL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT,IGNITION SOURCES

Hazardous Decompositi

on Products:NORMAL PRODUCTS OF COMBUSTION

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.
HMIS RECOMMENDS SOLVENT RECOVERY OR INCINERATION.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be
accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.