

ASHLAND CHEMICAL INC, SUBDIV OF ASHLAND OIL, INC -- T-81772 TYPE 2 -- 8010-01-168-0684

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Product Identification  
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Product ID:T-81772 TYPE 2

MSDS Date:05/31/1989

FSC:8010

NIIN:01-168-0684

MSDS Number: BKLMF

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL INC, SUBDIV OF ASHLAND OIL, INC

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

Emergency Phone

Num:800-274-5263/800-ASHLAND

CAGE:7L600

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333 / 800-325-3751

CAGE:7L600

Company Name:CSD, INC

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:800-424-9300

CAGE:0LWP6

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Composition/Information on Ingredients  
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Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER

CAS:107-98-2

RTECS #:UB7700000

Fraction by Wt: 30-60%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 52%  
Other REC Limits:NIOSH:200PPM 8HR TWA  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)  
CAS:108-10-1  
RTECS #:SA9275000  
Fraction by Wt: 17%  
Other REC Limits:NIOSH: 50PPM 8HR TWA

OSHA PEL:100 PPM/75 STEL  
ACGIH TLV:50 PPM/75 STEL; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:ACUTE-EYES: MODERATE IRRITATION. SKIN:  
SLIGHT IRRITATION. INHALE: NASAL AND RESPIRATORY IRRITATION AND  
CENTRAL NERVOUS SYSTEM EFFECTS. INGEST: GASTROINTESTINAL  
IRRITATION. CHRONIC: METHYL N-BUTYL AND/ OR N-HEXANE MAY CAUSE  
PE  
RIPHERAL NEUROPATHY. METHYL ETHYL KETONE MAY SHORTEN ONSET TIME  
OF PERIPHERAL NEUROPATHY.  
Effects of Overexposure:EYES: IRRITATION, REDNESS, TEARS. SKIN:  
IRRITATION. INHALE: NASAL AND RESPIRATORY IRRITATION, DIZZINESS,  
WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS.  
INGEST: IRRITATION, NAUSEA, V OMITING AND DIARRHEA.  
Medical Cond Aggravated by Exposure:EMBRYO/FETOTOXIC EFFECTS WERE FOUND  
IN LAB RATS EXPOSED TO MEK BY INHALE +1000 PPM (5X PEL/TLV) FOR  
MOS

T OF GESTATION PERIOD. LIVER, KIDNEY, LUNG & BRAIN DAMAGE IN LAB ANIMALS OVEREXPOSED TO MATERIAL.

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First Aid Measures  
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First Aid:SKIN: WASH AREA W/SOAP & WATER. REMOVE CONTAM CLOTHES. EYES: FLUSH W/LARGE AMTS OF WATER, LIFTING EYELIDS. GET MED ATTN. INGEST: DO NOT INDUCE VOMITING, KEEP PERSON WARM/QUIET. GET MED ATTN. ASPIRATIO N CAN CAUSE CHEMICAL PNEUMONITIS/POSS FATAL. INHALE: REMOVE PERSON TO FRESH AIR. IF BREATHING DIFFICULT GIVE OXYGEN. ARTIFICIAL RESPIRATION IF BREATHING STOPPED. KEEP PERSON WARM/QUIET. GET MED ATTN.

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Fire Fighting Measures  
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Flash Point:20.0F,-6.7C  
Lower Limits:1.4%  
Extinguishing Media:REGULAR FOAM OR WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL.  
Fire Fighting Procedures:USE SCBA WITH FULL FACEPIECE IN POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES. VAPORS HEAVIER THAN AIR, MAY TRAVEL & BE IGNITED BY DISTANT IGNITION SOURCES.  
Unusual Fire/Explosion Hazard:NEVER USE WELD/CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY), PRODUCT CAN IGNITE EXPLOSIVELY. 5+ GALLON CONTAINERS TO BE GROUNDED/BONDED WHEN TRANFERRING MATERIAL.

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Accidental Release Measures  
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Spill Release Procedures:SM:ABSORB LIQ W/PAPER,VERMIC,ETC. ELIM IGNITE SOURCE. WEAR PROTECT EQUIP. STOP SPILL SOURCE,DIKE,PUMP TO SALVAGE TANK. TAKE UP REMAIN W/SAND,CLAY,EARTH. SHOVEL TO CONTAINER. PREVENT ENTRY TO SEWERS /ST REAMS/WATER. NOTIFY AUTHORITIES IF WATER ENTERED.

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Handling and Storage  
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Handling and Storage Precautions:"EMPTY" CONTAINERS HOLD RESIDUES AND MAY BE HAZARDOUS. OBSERVE ALL PRECAUTIONS ON DATASHEET. DO NOT GIVE "EMPTY" DRUMS AWAY TO INDIVIDUALS.  
Other Precautions:SERIOUS ACCIDENTS MAY RESULT FROM THE MISUSE OF "EMPTIED" CONTAINERS (DRUMS, PAILS, ETC).

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Exposure Controls/Personal Protection  
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Respirato

ry Protection:NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IN  
ABSENCE OF PROPER ENVIR CONTROLS. OTHER NIOSH/MSHA RESPIRATORS  
(NEGATIVE PRESSURE) UNDER SPECIFIED CONDITIONS. ENGINEERING OR  
ADMINISTRATION CONTROLS SHO ULD BE IMPLEMENTED TO REDUCE EXPOSURE.  
Ventilation:PROVIDE SUFFICIENT MECHANICAL(GENERAL &/OR LOCAL EXHAUST)  
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).  
Protective Gloves:WEAR RESISTANT GLOVES.  
Eye Protection:CHEM SPLASH GOGGLES/OTHER SAFETY GLASSES  
Other Protective  
Equipment:TO PREVENT REPEATED OR PROLONGED SKIN  
CONTACT, WEAR IMPERVIOUS CLOTHING & BOOTS.  
Work Hygienic Practices:LAUNDER CLOTHING BEFORE RE-USE.  
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:175F,79C  
Vapor Pres:70  
Vapor Density:> THAN AIR  
Spec Gravity:LESS THAN WATER  
Evaporation Rate & Reference:SLOWER THAN ETHER  
Appearance and Odor:SOLVENT BLEND  
Percent Volatiles by Volume:100

===== Stability a  
nd Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.  
Hazardous Decomposition Products:MAY FORM TOXIC MATERIALS: CARBON  
DIOXIDE, CARBON MONOXIDE, AND VARIOUS HYDROCARBONS, ETC.

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

Waste Disposal Methods:SMALL OR LARGE SPILLS: DISPOSE OF IN ACCORDANCE  
WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. CONTAINERS SHOULD BE  
RECONDITIONED OR DISPOSED OF B  
Y APPROVED FIRMS IN ACCORDANCE WITH  
ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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