

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- MIL T B1772 TYPE II 3307 -- 8010-01-200-2637
===== Product Identification =====

Product ID:MIL T B1772 TYPE II 3307
MSDS Date:06/18/1998
FSC:8010
NIIN:01-200-2637
Status Code:A
MSDS Number: CLMWZ
=== Responsible Party ===
Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC
Address:3849 FISHER RD
Box:2219
City:COLUMBUS
State:OH
ZIP:43216
Country:US
Info Phone Num:614-790-3333 / 800-325-3751
Emergency Phone Num:1-800-274-5263
Preparer's Name:ERNEST CARTER
Chemtrec Ind/Phone:(800)424-9300
CAGE:7L600
=== Contractor Identification ===
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===== Composition/Information on Ingredients =====

Ingred Name:METHYL ETHYL KETONE
CAS:78-93-3
RTECS #:EL6475000
Minu

mum % Wt:45.
Maxumum % Wt:45.
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG/M3;200 PPM
ACGIH STEL:885 MG/M3;300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER
CAS:107-98-2
Code:F
RTECS #:UB7700000
Minumum % Wt:28.
Maxumum % Wt:32.
ACGIH TLV:369 MG/M3;100 PPM
ACGIH STEL:553 MG/M3;150 PPM

Ingred Name:METHYL ISOBUTYL KETONE
CAS:108-10-1
RTECS #:SA9275000
Minumum % Wt:25.
Maxumum % Wt:25.
OSHA PEL:410 MG/M3;100 PPM
ACGIH TLV:205 MG/M3;50 PPM
ACGIH STEL:30
7 MG/M3;75 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYE: CAN CAUSE EYE IRRITATION,
SYMPTOMS INCLUDE STINGING, TEARING, REDNESS, AND SWELLING OF EYES.
SKIN: CAN CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY
DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, AND DRYING
AND CRACKING OF SKIN, BURNS AND OTHER
SKIN DAMAGE. SWALLOWING LARGE
AMOUNTS MAY BE HARMFUL. THIS MATERIAL CAN GET INTO THE LUNGS DURING
SWALLOWING OR VOMITING. INHALATION: BREATHING OF VAPOR OR MIST IS
POSSIBLE. BREATHING LARGE AMOUNTS MAY BE HARMFUL. SYMPTOMS USUALLY
OCCUR AT CONC > RECOMM. EXP. LIMITS.
Effects of Overexposure:SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL
THROUGH BREATHING, SWALLOWING, AND/OR PASSAGE OF THE MATERIAL
THROUGH THE SKIN MAY INCLUDE: MOUTH AND THROAT IRRITATION
(SORENESS,

DRY OR SCRATCHY FEELING, COUGH), STOMACH OR INTESTINAL
UPSET (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT,
AIRWAYS), LUNG IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION
(DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE,
UNCONSCIOUSNESS).

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

First Aid:EYES:FLUSH EYES GENTLY WITH WATER FOR AT LEAST 15 MINUTES
WHILE HOLDING EYELIDS APART, SEEK IMMEDIATE MEDICAL ATTENTION.
SKIN: FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER.SEEK IMMEDIATE
MEDICAL ATTENTION.SWALLOWING: SEEK MEDICAL ATTENTION. PLACE ON
LEFT SIDE WITH HEAD DOWN. CONTACT A PHYSICIAN. INHALATION: IF
SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH
AIR. SEEK MEDICAL ATTENTION.

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

Flash Point Method:TCC
Flash Point:=-1.1C, 30.F
Lower Limits:1.4%
Upper Limits:11.5%
Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE, DRY
CHEMICAL.
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS WITH A
FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH
APPROP. TURN OUT GEAR AND CHEM RESISTANT PPE.
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY
TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY
PILOT LIGHTS, ETC. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR
DRUM BECAUSE PRODUCT (EVEN RESIDUE) CAN IGNITE EXPLOSIVELY.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES
INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS), PERSON NOT WEARING
PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL CLEAN UP
HAS BEEN COMPLETED, STOP SPILL AT SOURCE.PREVENT FROM ENTERING
DRAINS, SEWERS, STREAMS OR ABSORB UNRECOVERABLE PRODUCT. TRANSFER
CONTAMINATED ABSORBENT, SOIL AND OTHER MATERIALS TO CONTAINERS FOR
DISPOSAL.

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= Handling and Storage =====

Handling and Storage Precautions:ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. ALL FIVE-GALLON PAILS AND LARGER METAL CONTAINERS, INCLUDING TANK CARS TRUCKS, SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED. EMERGENCY EYEWASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY

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

Respiratory Protection:A NIOSH/M
SHA APPROVED AIR SUPPLIED RESPIRATOR IS
ADVISED IF WORKPLACE LIMITS OF PRODUCT OR ANY COMPONENT IS
EXCEEDED. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE
IMPLEMENTED TO REDUCE EXPOSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL
EXHAUST)

Protective Gloves:WEAR RESISTANT GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING OR BOOTS.

Supplemental Safety and Health

===== Physical/Chemical Properties =
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Boiling Pt:=79.4C, 175.F

Vapor Pres:78.000 MMHG@68.00 F

Vapor Density:>1 AIR=1

Spec Gravity:.841@77.00 F

Evaporation Rate & Reference:SLOWER THAN ETHYL ETHER

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH, STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE,
VARIOUS HYDROCARBONS

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
LOCAL, STATE AND FEDERAL REGULATIONS.

===== Other Information =====

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