

ASHLAND CHEMICAL CO., DIV. OF ASHLAND OIL INC. -- T 81772 TYPE II -- 8010-01-200-2637

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

Product ID:T 81772 TYPE II

MSDS Date:12/22/1988

FSC:8010

NIIN:01-200-2637

MSDS Number: BJKRB

=== Responsible Party ===

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

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

Emergency Phone Nu

m:606-324-1133

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. (PRE 1985 NAME: MATHEWS, INC)

Address:420 SEABOARD DRIVE

Box:City:MATTHEWS

State:NC

ZIP:28105-5073

Country:US

Phone:704-821-9822

CAGE:5W216

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

Ingred Name:PROPYLENE GLYCOL M

ONOMETHYL ETHER  
CAS:107-98-2  
RTECS #:YP7010000  
Fraction by Wt: 30-60%  
ACGIH TLV:100 PPM/150 PPM STEL

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 52%  
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%  
OSHA PEL:100 PPM/75 STEL  
ACGIH TLV:50 PPM/75 STEL; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE, LUNG DAMAGE, BRAIN DAMAGE. (SEE FILE FOR ADDITIONAL INFORMATION)  
Effects of Overexposure:EYES: MODERATE IRRIT, REDNESS & TEARING. SKIN: SLIGHT IRR  
IT. BREATHING: EXCESSIVE INHALE OF VAPORS CAN CAUSE NASAL & RESPIRATORY IRRIT & CENTRAL NERVOUS SYSTEM EFFECTS, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE & POSSIBLE UNCONSCIOUSNESS. SWALLOWING: CAN CAUSE GASTROINTESTINAL IRRIT, NAUSEA, VOMITING & DIARRHEA.

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

First Aid:SKIN:WASH WELL W/SOAP & H2O. REMOVE CONTAM CLOTHES. LAUNDER CLOTHES BEFORE RE-USE. EYES:FLUSH W/LG AMTS OF H2O, LIFTING UPPER/LOWER

LIDS, GET MED ATTN. SWALLOWED:DO NOT INDUCE VOMIT, KEEP PERSON WARM/ QUIET, GET MED ATTN. ASPIRATION INTO LUNGS CAN CAUSE CHEM PNEUMONITIS WHICH CAN BE FATAL. BREATHED:IF AFFECTED, REMOVE TO FRESH AIR. IF BREATH DIFF GIVE OXYGEN, IF STOPPED ADMIN CPR, GET MED ATTN.

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

Flash Point Method:TCC

Flash Point:20 F/-6.7 C

Lower Limits:1.4

Extinguishing Media:REGULAR FOAM OR WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:WEAR SCBA W/FULL FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

Unusual Fire/Explosion Hazard:NEVER USE WELDING/CUTTING TORCH ON OR NEAR DRUM(EVEN EMPTY)PRODUCT(EVEN RESIDUE)CAN IGNITE EXPLOSIVELY.

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

Spill Release Procedures:SM:ABSORB LIQ ON PAPER, VERMICULITE, FLOOR ABSORB OR OTHER. LG:ELIM ALL IGNITE SOURCES. EXCLUDE PERSONS NOT WEARING PROTECTIVE EQUIP FROM AREA. STOP SPILL AT SOURCE, DIKE AREA TO PREVENT SPREADING, PU MP LIQ TO SALVAGE TANK. REMAINING LIQ TAKE UP

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

Other Precautions:WITH SAND, EARTH ETC. & SHOVEL INTO CONTAINERS. PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURED.

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

Respiratory Protecti

on:NIOSH/MSHA APPROVED AIR SUPPLIED RSPRTR IN

ABSENCE OF PROPER ENVIR CONTROL OR OTHER NIOSH/MSHA RSPRTRS(NEG PRESS TYPE)UNDER SPECIFIED CONDITIONS. (SEE SAFETY EQUIP SUPPLIER)ENG OR ADMIN CONTROLS SHOUL D 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 Equipmen

t:WEAR IMPERVIOUS CLOTHING & BOOTS TO PREVENT REPEATED OR PROLONGED SKIN CONTACT.

Supplemental Safety and Health

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID AND/OR SOLIDS). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.

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

HCC:F3

Boiling Pt:B.P. Text:175F,79C

Vapor Pres:70MM @ 68F

Vapor Density:> THAN AIR

Spec Gravit

y:< THAN WATER

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:VAPORS ARE HEAVIER THAN AIR, MAY TRAVEL TO LOCATION DISTANT FROM HANDLING POINT, TO IGNITION SOURCES.

Conditions to Avoid Polymerization:CANNOT OCCUR

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

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

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