

ASHLAND CHEMICAL, INC SUBSIDIARY OF ASHLAND OIL INC -- SOLVENT BLEND T 81772 TYPE 2  
REV -- 8010-01-168-0684

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

Product ID:SOLVENT BLEND T 81772 TYPE 2 REV

MSDS Date:10/03/1990

FSC:8010

NIIN:01-168-0684

MSDS Number: BMZLP

=== Responsible Party ===

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

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info

Phone Num:800-274-5263

Emergency Phone Num:800-274-5263

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

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

Ingred Name:METHYL ISOBUTYL KETONE (SARA 313)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 35%

Other REC Limits:NIOSH 50 PPM TWA

OSHA PEL:100 PPM/75 STEL

ACGIH TLV:50 PPM/75

STEL; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER  
CAS:107-98-2  
RTECS #:UB7700000  
Fraction by Wt: 65%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/150 PPM STEL

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: MODERATE  
IRRITATION, DEFATT  
ING, DERMATITIS. BREATHING: NASAL, RESP  
IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS, DEATH. SWALLOWING:  
GASTROINTESTINAL IRRITATION. OVEREXPOSURE TO MATERIAL (OR  
COMPONENTS) HAS BEEN FOUND TO CAUSE (LAB ANIMAL) FOLLOWING: LIVER  
ABNORMALITIES, KIDNEY, LUNG, BRAIN DAMAGE.  
Effects of Overexposure:EYES: REDNESS, TEARING. BREATHING: CENTRAL  
NERVOUS SYSTEM EFFECTS: WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND  
POSSIBLE UNCONSCIOUSNESS. SWALLOWING NAUSEA, VOMITING, DIARRHEA.

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

First Aid:SKIN: WASH W/SOAP & WATER. REMOVE CONTAM CLOTH. EYES: FLUSH  
W/LRG AMT WATER, LIFT EYELIDS OCCASION, GET MED ATTN. INGEST: DON'T  
INDUCE VOMIT, KEEP PERSON WARM, QUIET, GET MED ATTN. ASPIRATION  
(MATERIAL INTO LUNGS--VOMIT) CAN CAUSE CHEM PNEUMONITIS (CAN BE  
FATAL). INHAL: REMOVE TO FRESH AIR. IF BREATHING DIFFICULT, ADMIN  
OXYGEN. IF BREATHING STOPPED GIVE ARTIF RESP. KEEP WARM, QUIET, GET  
MED AID.

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

Flash Point Method:TCC  
Flash Point:55.0 TO 65.0F  
Lower Limits:1.4  
Extinguishing Media:REGULAR FOAM, OR CARBON DIOXIDE OR DRY CHEMICAL.  
\* @ 760.00 MM HG. LOWEST VALUE OF COMPONENT IS LISTED FOR  
MIX.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH  
FULL FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE WHEN  
FIGHTING FIRES. \*\*@ 68F. HIGHEST VALUE.  
Unusual Fire/Explosion Hazard:VAPORS ARE

HEAVIER THAN AIR, MAY TRAVEL  
ALONG GROUND OR MOVED BY VENT & IGNITED BY PILOT LIGHT, FLAME,  
SPARK, HEATER, SMOKING, ELEC MOTOR, STATIC, IGNIT SOURCE.

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

Spill Release Procedures:SMALL: ABSORB LIQ ON ABSORBENT. LARGE: ELIMIN  
IGNIT SOURCE. EVAC UNPROTECTED. STOP SPILL. DIKE SPILL, PUMP TO  
SALV TANK. REMAINING MAY BE TAKEN UP ON ABSORB. SHOVEL INTO CNTNRS.  
PREVENT RUNOFF TO SEWE R/STREAM/WATER BODY. NOTIFY AUTHO  
RITIESOF  
SPILL.

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

Handling and Storage Precautions:CNTNRS OF MAT'L MAY BE HAZARDOUS WHEN  
EMPTIED. SINCE EMPTIED CNTNRS RETAIN PRODUCT RESIDUES, OBSERVE ALL  
HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET.

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

Respiratory Protection:IF TLV/PEL OF PRODUCT/COMPONENT EXCEEDED,  
NIOSH/MSHA AIR SUPPLIED RSPRTR ADVISED IN ABSENCE OF ENVIRONMNTL  
CONTROL. OSH

A REGS PERMIT NIOSH/MSHA RSPRTRS (NEG PRESS TYPE) UNDER  
SPECIFIED COND. IMPLEMENT ENGINEERING/ADMINISTRATION CONTROLS.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL/LOCAL EXHAUST) VENT  
TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:WEAR RESISTANT GLOVES.

Eye Protection:CHEM SPLASH GOGGLES, SAFETY GLASSES.

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN  
CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE R  
EUSE.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:237F,114C

Vapor Pres:16. @68F\*\*

Spec Gravity: