

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- METHYL ETHYL KETONE -- 6810-00-687-8429  
===== Product Identification =====

Product ID:METHYL ETHYL KETONE

MSDS Date:12/22/1988

FSC:6810

NIIN:00-687-8429

MSDS Number: BLCZS

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:1745 COTTAGE ST

City:ASHLAND

State:OH

ZIP:44805-1237

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:419-289-9588/800-274-5263

CAGE:33872

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:1745 COTTAGE ST

Box:City:ASHLAND

State:OH

ZIP:44805-1237

Country:US

Phone:419-289-9588

CAGE:33872

Company Name:SANLO PRODUCTS CO

Address:100 ,MANHATTAN AVE SUITE 103

City:UNION CITY

State:NJ

ZIP:07087

Country:US

Phone:201-348-1684/800-424-9300(CHEMTREC)

CAGE:0K5U0

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

Ingred N

ame:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2737 MG/KG

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

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

Health Hazards Acute and Chronic:ACU

TE-EYE:CAN CAUSE SEVERE IRRITATION,

TEARING,REDNESS,BLURRED VISION.SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE MODERATE IRRITATION,DEFATTING,DERMATITIS.INHALATION:MAY CAUSE IRRITATION, DIZZINESS,FATI GUE,HEADACHE,COMA & EVEN DEATH.INGESTION:CAN CAUSE GI

IRRITATION,VOMITING,DIARRHEA.CHRONIC-LIVER,KIDNEY..DAMAGE IN ANIMA

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:EYE:CAN C

AUSE SEVERE IRRITATION,TEARING,

REDNESS,BLURRED VISION.SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE MODERATE IRRITATION,DEFATTING,DERMATITIS.INHALATION:MAY CAUSE IRRITATION,DIZZINESS, FATIGUE,HE ADACHE,COMA & EVEN DEATH.INGESTION:CAN CAUSE GI IRRITATION, VOMITING,DIARRHEA.

Medical Cond Aggravated by Exposure:RESPIRATORY SYMPTOMS ASSOCIATED

WITH PRE- EXISTING LUNG DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

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

First Aid:CALL A PHYSICIAN.INHALATION:REMOVE TO FRESH AIR.GIVE

OXYGEN/CPR IF NEEDED.KEEP PERSON QUIET & WARM.EYE:FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS APART.SKIN:REMOVE ANY CONTAMINATED CLOTHING AND W ASH SKIN WITH MILD SOAP & WATER.INGESTION:DO NOT INDUCE VOMITING.KEEP PERSON WARM & QUIET.GET MEDICAL ATTENTION.ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

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

Flash Point Method:TCC  
Flash Point:23.0F,-5.0C  
Lower Limits:2.0  
Upper Limits:11.4

Extinguishing Media:CARBON DIOXIDE, ALCOHOL FOAM, DRY CHEMICAL AND HALON. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE.COOL NEARBY CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION W  
HERE THEY MAY IGNITE,FLASH BACK OR  
EXPLODE.VAPORS ARE HEAVIER THAN AIR.CONTAINERS MAY EXPLODE.

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

Spill Release Procedures:SMALL SPILL:ABSORB LIQUID ON PAPER, VERMICULITE & TRANSFER TO HOOD.LARGE SPILL:ELIMINATE ALL IGNITION SOURCES. STOP SPILL AT SOURCE.DIKE AREA OF SPILL TO PREVENT SPREADING.PUMP LIQUID TO SALVAGE TANK. TAKE RESIDUE WITH SAND,CLAY.. & PUT IN CONTAINERS.

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL,DRY PLACE WITH ADEQUATE VENTILATION.KEEP AWAY FROM FLAMES,SPARKS,SUN LIGHT AND STRONG OXIDANTS.

Other Precautions:"EMPTY"CONTAINERS RETAIN RESIDUE.DO NOT PRESSURIZE,CUT, WELD,BRAZE,SOLDER,DRILL,GRIND OR EXPOSE THEM TO HEAT OR ANY OTHER SOURCES OF IGNITION.THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

Respiratory Protection:  
n:USE A NIOSH/MSHA APPROVED SUPPLIED-AIR RESPIRATORY PROTECTION IF WORKPLACE EXPOSURE LIMIT OF PRODUCT IS EXCEEDED.

Ventilation:USE MECHANICAL/LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).USE EXPLOSION PROOF VENTILATION APPARATUS.

Protective Gloves:CHEMICAL RESISTANT GLOVES/NATURAL RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING.

Work Hygienic Pract

ices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

NOTE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL. ASPIRATION INTO THE LUNG MAY CAUSE LUNG INFLAMMATION AND DAMAGE.

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

HCC:F2

Boiling Pt:=79.4C, 175.F

Vapor Pres:70

Vapor Density:2.5

Spec Gravity:0.805

Evaporat

ion Rate & Reference:5.7 (N-BUTYL ACETATE=1)

Solubility in Water:MODERATE

Appearance and Odor:CLEAR LIQUID,CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS OR BASES,OXIDIZERS,ALKALI METALS AND HALOGENS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, STATIC

ELECTRICITY AND OPEN FLAMES

Hazardous Decomposition Products:MAY FORM TOXIC MATERIALS, FUMES,

SMOKE, VARIOUS HYDROCARBONS, CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:SMALL SPILL:ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. DISPOSE OF REMAINING MATERIAL IN COMPLIANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS. LARGE SPILL:DESTROY BY LIQUID INCINERATION.CONTAMINATED ABSORBENT MAY BE DEPOSITED IN AN APPROVEDLANDFILL.

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