

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- METHYL ETHYL KETONE INDUSTRIAL GRADE
-- 4730-01-062-0962

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

Product ID:METHYL ETHYL KETONE INDUSTRIAL GRADE

MSDS Date:09/30/1994

FSC:4730

NIIN:01-062-0962

Kit Part:Y

MSDS Number: BXNYX

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:

US

Info Phone Num:614-790-3333/800-274-5263

Emergency Phone Num:800-274-5263/614-790-3333

CAGE:34897

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Phone:614-790-3333/800-274-5263

CAGE:34897

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

Ingred Name:2-BUTANONE (METHYL ETHYL KETONE) (MEK)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 100%

Other REC Limits:590 MG/CUM

OSHA PEL:200 PPM

ACGIH TLV:590

MG/CUM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: MILD IRRITATION. SKIN:
IRRITATION. INHALATION: BREATHING LARGE AMOUNTS MAY BE HARMFUL.
NOSE, THROAT, RESPIRATORY TRACT IRRITATION, PRE-EXISTING LUNG
DISORDERS, ASTHMA-LIKE CONDITIONS. INGESTION: LARGE AMOUNTS MAY BE

HARMFUL, CNS DEPRESSION. (SEE SUPP)
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, STINGING, TEARING, REDNESS,
BURNING, DRYING, CRACKING, BURNS, DIZZINESS, DROWSINESS, WEAKNESS,
FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:PRE-EXISTING DISORDERS OF THESE
ORGANS IN HUMANS: MILD REVERSIBLE LIVER/KIDNEY EFFECTS.

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

First Aid:SKIN: FLUSH W/LARGE AMOUNTS OF WATE
R. EYES: MOVE TO FRESH
AIR. FLUSH GENTLY W/WATER. INGESTION: DON'T INDUCE VOMITING.
ASPIRATION HAZARD. IF DROWSY/UNCONSCIOUS PLACE ON LEFT SIDE W/HEAD
DOWN. DON'T LE AVE UNATTENDED. INHALATION: REMOVE TO FRESH AIR.
KEEP WARM & QUIET. GIVE CPR/OXYGEN IF NEEDED. OBTAIN MEDICAL
ATTENTION IN ALL CASES.

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

Flash Point Method:TCC
Flash Point:23F
Lower Limits:2
Upper Limits:11.5
Extinguishing Media:REGULAR FOAM, CO2
, DRY CHEMICAL
Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS W/FULL
FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE.
Unusual Fire/Explosion Hazard:NEVER USE WELDING/CUTTING TORCH ON/NEAR
DRUM (EVEN EMPTY) PRODUCT RESIDUE CAN IGNITE EXPLOSIVELY. VAPORS
ARE >THAN AIR & MAY TRAVEL TO IGNITION SOURCES.

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

Spill Release Procedures:ABSORB LIQUID ON VERMICULITE, FLOOR
ABSORBENT/OTHER ABSORBENT MATERIAL.

LARGE: ELIMINATE IGNITION SOURCES. WEAR PROTECTIVE EQUIPMENT. STOP AT SOURCE. PREVENT ENTRY INTO DRAINS/SEWERS/STREAMS/BODIES OF WATER. PREVENT FROM SPREADING. (SEE SUPP)

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

Handling and Storage Precautions:CONTAINERS MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES ALL HAZARD PRECAUTIONS GIVEN MUST BE OBSERVED.

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

Respiratory Protection:IF COMPONENT IS EXCEEDED A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL, OSHA PERMITS OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER S PECIFIED CONDITIONS.

Ventilation:GENERAL/LOCAL EXHAUST VENTILATION.

Protective Gloves:RESISTANT

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING & BOOTS.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

HEALTH HAZARD CONT'D: MATERIAL CAN ENTER LUNGS DURING SWALLOWING/VOMITING & CAUSE LUNG INFLAMMATION/DAMAGE. SPILLS CONT'D: PUMP/VACUUM TRANSFER PRODUCT TO CLEAN CONTAINERS FOR RECOVERY. ABSORB UNRECOV ERABLE PRODUCT. TRANSFER CONTAMINATED ABSORBENT/SOIL/OTHER MATERIALS TO CONTAINER FOR DISPOSAL. PREVENT RUN-OFF.

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

Boiling Pt:B.P. Text:175F

Vapor Pres:70

Vapor Density:
2.5

Spec Gravity:0.805-0.807

Evaporation Rate & Reference:(N-BU AC =1): 5.7

Appearance and Odor:CLEAR APHA COLOR 10 MAX LIQUID W/NEAT FORM

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZNG AGENTS

Stability Condition to Avoid:IGNITION SOURCES

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

Waste Disposal Methods:SMALL/LARGE: DISPOSE OF IAW/FEDERAL, STATE & L

OCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.