

ASHLAND CHEMICAL COMPANY -- METHYL NORMAL PROPYL KETONE -- 6810-01-459-1990

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

Product ID:METHYL NORMAL PROPYL KETONE

MSDS Date:02/10/1995

FSC:6810

NIIN:01-459-1990

Status Code:A

MSDS Number: CJSCK

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL COMPANY

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Info Phone Num:614-790-3333/800-325-3751 (RULES)

Emergency Phone Num:800-274-5263 OR 800-ASHLAND

Resp. Party Oth

er MSDS Num.:0019987-003.008

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

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-99-MNC49

CAGE:4N760

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

Ingred Name:METHYL PROPYL KETONE

(2-PENTANONE)
CAS:107-87-9
RTECS #:SA7875000
= Wt:100.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM/250STEL;9596

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE- MAY CAUSE MILD EYE & SKIN
IRRITATION. INHALE: SHORT TERM TOXICITY IS LOW. BREATHING LARGE

AMOUNTS MAY BE HARMFUL. SWALLOWING SMALL AMOUNTS IS NOT LIKELY TO
CAUSE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE HARMFUL. CHRONIC- HAS
BEEN SHOWNT TO CAUSE MILD, REVERSIBLE LIVER, KIDNEY EFFECTS IN LAB
ANIMALS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:GASTROINTESTINAL IRRITATION, IRRITATION OF
THROAT AND RESPIRATORY TRACT, CENTRAL NERVOUS SYSTEM DEPRESSION,
DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS,
AND DEATH.
Medical Cond Aggrava
ted by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE EYE, SKIN, LIVER, KIDNEY, CNS, RESPIRATORY TRACT
MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE
EXPOSURES.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15
MINUTES. HOLD EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. ORAL: DO
NOT INDUC E VOMITIN
G. THIS MATERIAL IS AN ASPIRATION HAZARD. IF
INDIVIDUAL IS DROWSY OR UNCONSCIOUS, PLACE ON LEFT SIDE WITH THE
HEAD DOWN. SEEK MEDICAL ATTENTION. IF POSSIBLE, DO NOT LEAVE
INDICIDUAL UNATTEND ED.

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

Flash Point Method:TCC
Flash Point:=7.8C, 46.F
Lower Limits:1.5
Upper Limits:8.0
Extinguishing Media:REGULAR FOAM,WATER FOG,CARBON DIOXIDE,DRY CHEMICAL
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH

FULL FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR & CAN TRAVEL ALONG GROUND/BE MOVED BY VENTILATION & IGNITED BY PILOT LIGHT, FLAME, SPARK, HEATER, SMOKING, ELECTRIC MOTOR, STATIC DISCHARGE, OR OTHER IGNITION SOURCE AT LOCATION DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING/CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY) RESIDUE. DUE TO ITS HIGHLY EXPLOSIVE NATURE.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND/CLAY. PLACE IN CONTAINER FOR DISPOSAL. WASH SPILL SITE AFTER PICK UP IS COMPLETE. PREVENT LIQUID FROM ENTERING SEWER. IF SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD. Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: STORE IN TIGHTLY CLOSED CONTAINERS IN VENTILATED AREA AWAY FROM IGNITION SOURCES & STRONG OXIDIZING AGENTS. KEEP OUT OF REACH OF CHILDREN. Other Precautions: USE IN WELL VENTILATED AREA/HOOD. AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN/ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. ALL FIVE-GALLON PAILS AND LARGER METAL CONTAINERS SHOULD BE GROUNDED.

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

Respiratory Protection: IF TLV IS EXCEEDED, WEAR NIOSH/MSHA-APPROVED AIR-SUPPLIED RESPIRATOR. OSHA REGULATIONS ALSO PERMIT NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE. Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

P

Protective Gloves:NEOPRENE GLOVES
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health

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

HCC:F2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:=100.6C, 213.F
B.P. Text:221F-105C
Vapor Pres:27.8 @ 68F
Vapor Density:2.97
Spec Gravity:0.806 - 0.809
Viscosity:0.5 CPS
Evaporation Rate & Reference:2.3 (N-BUTYL ACETATE=1)
Appearance and Odor:WATER WHITE, HOMOGENOUS,LIQUID - MILD KETONE ODOR
Percent Volatiles by Volume:100.0

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. MAY BE BURNED IN AN APPROVED CHEMICAL
INCINERATOR. RECYCLING OR REUSING IS RECOMMENDED. IF RUN-OFF
OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS
OCCURED.

===== MSDS Transport Information =====

Transport Information:DOT: PROPER SHIPPING NAME: METHYL PROPYL KETONE.
HAZARD CLASS 3, UN1249, PK II.

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of Defense

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