

EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO -- EASTMAN MPK (METHYL PROPYL KETONE) -- 6810-01-459-1990

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Product Identification
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Product ID:EASTMAN MPK (METHYL PROPYL KETONE)

MSDS Date:06/18/1999

FSC:6810

NIIN:01-459-1990

Status Code:A

MSDS Number: CJKXL

=== Responsible Party ===

Company Name:EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO

Address:WILCOX DR AND LINCOLN ST

Box:431

City

:KINGSPORT

State:TN

ZIP:37662

Country:US

Info Phone Num:615-229-6094/2000

Emergency Phone Num:1-800-EASTMAN

Resp. Party Other MSDS Num.:100000451/F/USA

Chemtrec Ind/Phone:(800)424-9300

CAGE:74364

=== Contractor Identification ===

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

Company Name:EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO

Address:EASTMAN ROAD

Box:City:KINGSPORT

State:TN

ZIP:37662

Country:US

Phone:423-229-2000

CAGE:74364

Company Name:TELECHEM INTERNATIONAL, INC

Address:524 E WEDDELL DRIVE SUITE 3

Box:City:SUNNYVALE

State:CA

ZIP:94089-2115

Country:US

Phone:916-941-3688

Contract Num:SP0450-00-M-D051

CAGE:1KH20

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Composition/Information on Ingredients
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Ingred Name:METHYL PROPYL KETONE

TLV:705 MG/M3;200 PPM
ACGIH STEL:881 MG/M3;250 PPM

Ingred Name:METHYL ISOBUTYL KETONE
CAS:108-10-1
RTECS #:SA9275000
= Wt:5.5
Other REC Limits:NONE RECOMMENDED
OSHA PEL:410 MG/M3;100 PPM
ACGIH TLV:205 MG/M3;50 PPM
ACGIH STEL:307 MG/M3;75 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 3.73 G/KG
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:GENERAL: BAS
ED ON ANIMAL DATA AND

STRUCTURE-ACTIVITY RELATIONSHIPS, THIS PRODUCT IS NOT EXPECTED TO CAUSE NERVOUS SYSTEM DAMAGE. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION. EYES: HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION. SKIN : EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. INGESTION: EXPECTED TO BE A LOW INGESTION HAZARD.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: HIGH VAPOR CONCENTRATIONS MAY

CAUSE DROWSINESS AND IRRITATION. EYES: HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION.

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

First Aid:INHALATION: MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: IN CASE OF IRRITATION FROM AIRBORNE EXPOSURE, MOVE TO FRESH AIR. IF EASY TO DO, REMOVE CONTACT LENSES. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: SEEK MEDICAL ADVICE.

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

Flash Point Method:TCC

Flash Point:=7.8C, 46.F

Autoignition Temp:=448.9C, 840.F

Lower Limits:(93F):1.56%

Upper Limits:(144F):8.7%

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE (CO2), ALCOHOL FOAM

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE-EXPOSED

SED

CONTAINERS COOL. WATER MAY BE INEFFECTIVE IN FIGHTING THE FIRE.

Unusual Fire/Explosion Hazard:FLAMMABLE. VAPORS MAY CAUSE A FLASH FIRE OR IGNITE EXPLOSIVELY. VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. PREVENT BUILDING OF VAPORS OR GASES TO EXPLOSIVE CONC ENTRATIONS.

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

Spill Release Procedures:USE PERSONAL PROTECTIVE EQUIPMENT. ELIMINATESE ALL IGNITION SOURCES. ABSOR

B SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. FOR LARGE SPILLS: USE WATER SP RAY TO DISPERSE VAPORS AND DILUTE SPILLTO A NONFLAMMABLE MIXTURE. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP CONTAINER IN A WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. KEEP FROM

CONTACT WITH OXIDIZING MATERIALS. USE ONLY WITH ADEQUATE VENTILATION. COMPLY WITH ALL NATIONAL, STATE, AND LOCAL CODES PERTAINING TO STORAGE AND HANDLING OF FLAMMABLE LIQUIDS.

Other Precautions:AVOID BREATHING HIGH VAPOR CONCENTRATIONS. USE ONLY WITH ADEQUATE VENTILATION.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED

RESPIRATOR MUST BE WORN: RESPIRATOR TYPE: ORGANIC VAPOR. IF RESPIRATORS ARE USED, A PROG RAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 63 FR 1152, JAN 8, 1998.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER CONTROLS.

Protective Gloves:IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE SKIN CONTACT.

Eye Protection:IT IS A GOOD INDUSTRIAL HYGIENE PRACTIC

E TO MINIMIZE EYE CONTACT.

Other Protective Equipment:EYE BATH, WASHING FACILITIES.

Supplemental Safety and Health

PRODUCT ID NUMBER: SPC 19010. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. RESIDUAL VAPORS MAY EXPLODE ON IGNITION; DO NOT CUT, DRILL GRI ND, OR WELD ON OR NEAR THIS CONTAINER.

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

HCC:F2

Boiling Pt:=100.6C, 213.F

Melt/Freeze Pt:=-77.8C, -10

8.F

Vapor Pres:AT20C (68F)37BAR(27.8MMHG

Vapor Density:(AIR=1)2.9

Spec Gravity:AT 20C (68F)(H2O=1):0.81

Evaporation Rate & Reference:(N-BUTYL ACETATE=1):2.3

Solubility in Water:MODERATE

Appearance and Odor:COLORLESS LIQUID - KETONE ODOR

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

Stability Indicator/Materials to Avoid:YES

MATERIAL CAN REACT VIOLENTLY WITH STRONG BASES, STRONG OXIDIZING AGENTS, STRONG REDUCING AGENTS.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:INHALATION LC-50 (RAT): >2000 PPM/4 HOURS.

DERMAL LD-50 (RABBIT): 8 ML/KG. SKIN IRRITATION (GUINEA PIG): 8

ML/KG. REPEATED SKIN IRRITATION (GUINEA PIG): SLIGHT IRRITATION.

EYE IRRITATION (RABBIT): SLI GHT. SUBCHRONIC TOXICITY DATA FOR

METHYL PROPYL KETONE: NO-OBSERVED-EFFECT LEVEL (NOEL) FOR

NEUROTOXICITY = 305 P

PM (ONLY CONCENTRATION TESTED). ORAL STUDY (10

MONTHS, RAT): LOWEST-OBSERVED-EFFECT LEVEL (LOEL) = 1% IN DRINKING

WATER (REDUCED BODY WEIGHT GAIN); NOEL = 0.5% IN DRINKING WATER.

===== Ecological Information =====

Ecological:IT HAS THE FOLLOWING PROPERTIES: A HIGH BIOCHEMICAL OXYGEN DEMAND AND A POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A LOW POTENTIAL TO AFFECT AQUATIC ORGANISMS, A HIGH POTENTIAL TO BIODEGR ADE (LOW PERSISTA

NCE) WITH

UNACCLIMATEDMICROORGANISMS FROM ACTIVATED SLUDGE. WHEN DILUTED WITH A LARGE AMOUNT OF WATER, THIS MATERIAL RELEASED DIRECTLY OR INDIRECTLY INTO THE ENVIRONMENT IS NOT EXPECT ED TO HAVE A SIGNIFICANT IMPACT. OXYGEN DEMAND DATA: THOD=2.6 G OXYGEN/G. COD=1.8 G OXYGEN/G. BOD-5=1.38 G OXYGEN/G. BOD-20=1.8 G OXYGEN/G.

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

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONA

L, STATE, OR LOCAL LAWS. MIX WITH COMPATIBLE CHEMICAL WHICH IS LESS FALMMABLE AND INCINERATE. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE , FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. RESIDUAL VAPORS MAY EXPLODE ON IGNITION; DO NOT CUT, DRILL, GRIND/WELD ON OR NEAR CONTAINER.

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

Transport Information:DOT (USA) STATUS: REGULATED. CLASS 3, PACKING GROUP II. IAR (INTERNATIONAL CIVIL AVIATION ORGA NIZATION) ICAO.

ICAO STATUS: REGULATED. CLASS 3, PACKING GROUP II. SEA-INTERNATIONAL MARITIME DANGEROUS G OODS (IMDG). IMDG STATUS: REGULATED. CLASS 3.2, PACKING GROUP II.

===== Regulatory Information =====

SARA Title III Information:CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: METHYL ISOBUTYL KETONE. SARA (U.S.A .) S ECTION 311 AND 312

HAZARD CLASSIFICATION: FIRE HAZARD, IMMEIDATE (ACUTE) HEALTH HAZARD.

Federal Regulatory Information:US TOXIC SUBSTANCE CONTROL ACT (TSCA): ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.

State Regulatory Information:CA PROPOSITION PROPOSITION 65: NONE KNOWN TO EASTMAN.

===== Other Information =====

Discl

aimer (provided with this information by the compiling agencies):

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