EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO -- EASTMAN MPK (METHYL PROPYL KETONE) -- 6810-01-459-1991

Product ID:EASTMAN MPK (METHYL PROPYL KETONE)

MSDS Date:06/18/1999

FSC:6810

NIIN:01-459-1991

MSDS Number: CJKXM === 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

Emerg

ency Phone Num:1-800-EASTMAN

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

Preparer's Name: NOT PROVIDED 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: K- CHEMICALS INC. Address: 2067 S. ECONOMY ROAD Box:City:MORRISTOWN State:TN ZIP:37814 Country:US Phone: 423-475-6837 FAX 423-581-5580 Contract Num:SP0450-00-M-D477 CAGE:0UL36 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:SP0450-01-M-D363 CAGE:1KH20 ======= Composition/Information on Ingredients ======== Ingred Name: METHYL PR **OPYL KETONE** CAS:107-87-9 RTECS #:SA7875000 = Wt:94.5Other REC Limits: NONE RECOMMENDED OSHA PEL:700 MG/M3;200 PPM **OSHA STEL:250 PPM** ACGIH 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:5.5Other 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

LD50 L

C50 Mixture: NOT PROVIDED

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

Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: GENERAL: BASED ON ANIMAL DATA AND STRUCTURE-ACTIVITY RELATIONSHIPS, THIS PRODUCT IS NOT EXPECTED TO CAUSE NERVOUS SYSTEM DAMAGE. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DR OWSINESS 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:INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE. AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NONE. NATIONAL TOXICOLOGY PROGRAM (NTP): NONE. OCCUPATIONAL SAFETY AND HEAL TH ADMINISTRATION (OSHA): NONE.

Effects of Overexposure:INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION. EYES: HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATIO

N.

Medical Cond Aggravated by Exposure: NOT PROVIDED

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 LE NSES. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: SEEK MEDICAL

ADVICE.

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

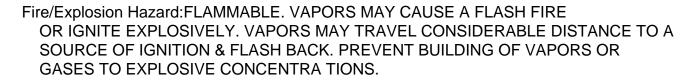
Flash Point Method:TCC Flash Point:=7.8C, 46.F

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 & PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. WATER MAY BE INEFFECTIVE IN FIGHTING THE FIRE. Unusual



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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. FOR LARGE SPILLS: USE

WATER SPRAY TO DISPERSE

VAPORS AND DILUTE SPI LL TO A NONFLAMMABLE MIXTURE. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

Neutralizing Agent: NOT RELEVANT

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 N

ATIONAL, 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: ORGANIC VAPOR. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE I

NST ITUTED 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 PRACTICE TO MINIMIZE EYE CONTACT.

Other Protective Equipment:EYE BATH, WASHING FACILITIES.

Work Hygienic Practices

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

Supplemental Safety and Health PRODUCT ID NUMBER: SPC 19010.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=100.6C, 213.F Melt/Freeze Pt:=-77.8C, -108.F

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

Vapor Density:(AIR=1)2.9

Spec Gravity:AT 20C (68F)(H20=1):0.81

Viscosity:NOT PROVIDED

Evaporat

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

Solubility in Water:MODERATE

Appearance and Odor: COLORLESS LIQUID - KETONE ODOR

Percent Volatiles by Volume:100 Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

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

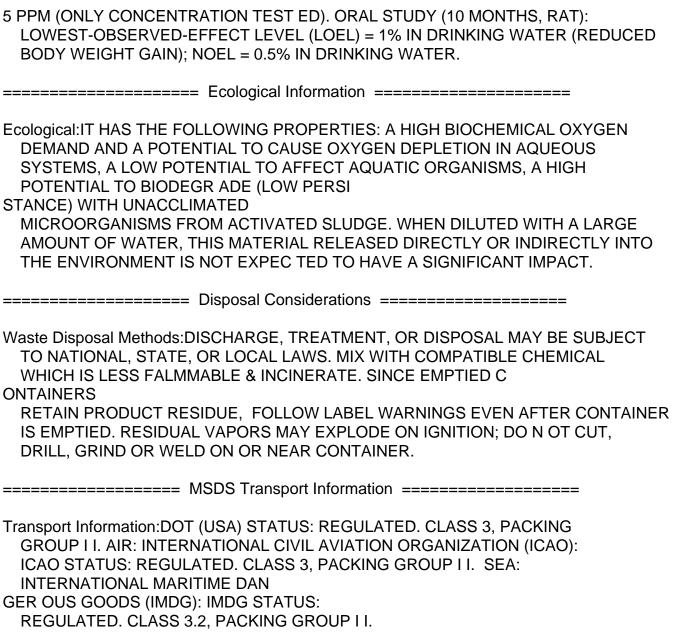
Stability Condition to Avoid: NOT PROVIDED

Hazardous Decomposition Products: CARBON MONOXIDE, CARBO

N DIOXIDE

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

Toxicological Information:DATA FOR METHYL PROPYL KETONE: ORAL LD-50 (RAT): 3.73 G/KG. INHALATION LC-50 (RAT): >2000 PPM/4 HOURS. DERMAL LD-50 (RABBIT): 8 ML/KG. SKIN IRRITATION (GUINEA PIG): SLIGHT. REPEATED SKIN APPLICATION (GUINEA PIG): SLIGHT IRRITATION. EYE IRRITATION (RABBIT): SLIGHT. SUBCHRONIC TOXICITY DATA FOR METHYL PROPYL KETONE: NO-OBSERVED-EFFECT LEVEL (NOEL) FOR NEUROTOXICITY = 30



========== 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. SECTION 311 AND 312: FIRE HAZARD, IMMEIDATE (ACUTE) HEALTH HAZARD.

Federal Regulatory Information: ALL COMPONENTS OF T

HIS PRODUCT ARE

LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.

State Regulatory Information: CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986): MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: NONE KNOWN. CALIFORNIA PROPOSITION 65 (SAFE DRINKING WA TER AND TOXIC ENFORCEMENT ACT OF 1986): MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE ADVERSE

REPRODUCTIVE EFFECTS: NONE KNOWN.

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