

"EASTMAN" MPK

MSDS Number

CJNKY

National Stock Number

6810-01-459-1987

Product Name

"EASTMAN" MPK

Manufacturer

EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO

Product Identification

Product ID:"EASTMAN" MPK

MSDS Date:06/18/1999

FSC:6810

NIIN:01-459-1987

Status Code:A

MSDS Number: CJNKY

Responsible Party

EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO

WILCOX DR AND LINCOLN ST

KINGSPORT , TN 37662

US

Emergency Phone: 800-EASTMAN

Info Phone: 615-229-6094/2000

Cage: 74364

Contractor

TELECHEM INTERNATIONAL, INC

SUNNYVALE, CA 94089-2115

US

916-941-3688

Cage: 1KH20

Ingredients

METHYL PROPYL KETONE

CAS: 107-87-9

RTECS: SA7875000

OSHA PEL700 MG/M3;200 PPM

ACGIH TLV: 705 MG/M3;200 PPM

METHYL ISOBUTYL KETONE

CAS: 108-10-1

RTECS: SA9275000

OSHA PEL410 MG/M3;100 PPM

ACGIH TLV: 205 MG/M3;50 PPM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:ORAL RAT LD50: 3.73 GM/KG.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION. SKIN: EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION. INGESTION: EXPECTED TO BE A LOW INGESTION HAZARD.
Explanation of Carcinogenicity:NOT LISTED BY NTP, IARC, ACGIH, OSHA.
Effects of Overexposure:EYES: IRRITATION. INHALATION: DROWSINESS, IRRITATION.

First Aid

First Aid: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. INHALATION: MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY, GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. INGESTION: GET MEDICAL ATTENTION.

Fire Fighting

Flash Point Method:TCC
Flash Point:=-8.C, 46.4F
Autoignition Temp:=-448.9C, 840.F
Lower Limits:1.56
Upper Limits: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 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 BUILDUP OF VAPORS OR GASES TO EXPLOSIVE CONCENTRATIONS.

Accidental Release

Spill Release Procedures:USE PERSONAL PROTECTIVE EQUIPMENT. 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 SPILL TO A NONFLAMMABLE MIXTURE. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

Handling

Handling and Storage Precautions:KEEP CONTAINER CLOSED, IN A WELL-VENTILATED PLACE 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 THE STORAGE, HANDLING, DISPENSING, AND DISPOSAL OF FLAMMABLE LIQUIDS.
Other Precautions:SINCE EMPIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPIED. RESIDUAL VAPORS MAY EXPLODE ON IGNITION: DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER. AVOID BREATHING HIGH VAPOR CONCENTRATIONS.

Exposure Controls

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 PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 63 FR 1152, JANUARY 8, 1998.
Ventilation:USE GOOD GENERAL VENTILATION, PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN

AIRBORNE LEVELS BELOW RECOMMENDED LIMITS

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 WASH STATION AND WASHING FACILITIES.

Work Hygienic Practices: NONE PROVIDED BY MFR.

Supplemental Safety and Health

NONE PROVIDED BY MFR.

Chemical Properties

HCC: F2

Boiling Pt: =101.C, 213.8F

Melt/Freeze Pt: =-78.C, -108.4F

Vapor Pres: 27.8 MM HG @ 20 DEG C

Vapor Density: 2.9 (AIR=1)

Spec Gravity: 0.81 @ 20 DEG C (WATER=1)

Evaporation Rate & Reference: 2.3 (BUAC=1)

Solubility in Water: AT AMBIENT TEMP: MODERATE

Appearance and Odor: LIQUID, COLORLESS, KETONE ODOR.

Stability

Stability Indicator/Materials to Avoid: YES

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

Stability Condition to Avoid: NONE PROVIDED BY MFR.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE.

Conditions to Avoid Polymerization: WILL NOT OCCUR

Disposal

Waste Disposal Methods: DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. MIX WITH COMPATIBLE CHEMICAL WHICH IS LESS FLAMMABLE 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, OR WELD ON OR NEAR THIS CONTAINER.

Toxicology

Toxicological Information: BASED ON ANIMAL DATA AND STRUCTURE-ACTIVITY RELATIONSHIPS, THIS PRODUCT IS NOT EXPECTED TO CAUSE NERVOUS SYSTEM DAMAGE.

Other Information

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.

Ecology

Ecological: DATA FOR THE MAJOR COMPONENT OF THIS MATERIAL HAVE BEEN USED TO ESTIMATE THE ENVIRONMENTAL IMPACT OF THIS MATERIAL. 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 BIODEGRADE (LOW PERSISTENCE) WITH UNACCLIMATED MICROORGANISMS FROM ACTIVATED SLUDGE. WHEN DILUTED WITH A LARGE AMOUNT OF WATER. THIS MATERIAL RELEASED DIRECTLY OR INDIRECTLY INTO THE ENVIRONMENT IS NOT EXPECTED TO HAVE A SIGNIFICANT IMPACT.

Transport

Transport Information: DOT (USA) STATUS: REGULATED, HAZARD CLASS 3, PKG II. AIR, INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAC), ICAO STATUS: REGULATED, HAZARD CLASS 3, PKG II. SEA, INTERNATIONAL

MARITIME DANGEROUS GOODS (IMDG), IMDG STATUS: REGULATED, HAZARDOUS CLASS 3.2, PKG II.

Regulatory

SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: METHYL ISOBUTYL KETONE. SARA (U.S. A.) SECTIONS 311 AND 312 HAZARD CLASSIFICATIONS: FIRE HAZARD,IMMEDIATE (ACUTE) HEALTH HAZARD.

Federal Regulatory Information:US TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING. CANADIAN ENVIRONMENTAL PROTECT ION ACT (CEPA) AND DOMESTIC SUSTANCES LIST (DSL): ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON TE DSL. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING. EUROPEAN INVENTORY OF EXISTING C OMMERCIAL SUBSTANCES (EINECS): ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON EINECS.

State Regulatory Information:AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) AND NATIONAL INDUSTRIAL CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME (NICAS): ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON AICS OR OTHERWISE COMPLY W ITH NICNAS. JAPANESE HANDBOOK OF EXISTING AND NEW CHEMICAL SUBSTANCES: ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE HANDBOOK OR HAVE BEEN APPROCED IN JAPAN BY NEW SUBSTANCE NOTIFICATION.