

EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO -- SPC 19050 METHYL ISOBUTYL KETONE -- 6810-00-180-5976

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

Product ID:SPC 19050 METHYL ISOBUTYL KETONE

MSDS Date:10/30/1996

FSC:6810

NIIN:00-180-5976

MSDS Number: CBSYF

=== Responsible Party ===

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

Address:WILCOX DR AND LINCOLN ST

Box:431

City:KINGSPORT

State:T

N

ZIP:37662

Country:US

Info Phone Num:423-229-2000

Emergency Phone Num:800-EASTMAN

Resp. Party Other MSDS Num.:100000447/F/USA

Chemtec Ind/Phone:(800)424-9300

CAGE:74364

=== Contractor Identification ===

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:MAGNOLIA CHEMICALS AND SOLVENTS

Address:1020 SAMS AVENUE

Box:10276

City:NEW ORLEANS

State:LA

ZIP:70181-0278

Country:US

Ph

one:504-733-6600
Contract Num:SP0450-99-M-C290
CAGE:0LNB7

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Composition/Information on Ingredients
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Ingred Name:METHYL ISOBUTYL KETONE (HEXONE) (SARA 313) (CERCLA)
CAS:108-10-1
RTECS #:SA9275000
= Wt:100.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:50 PPM/75 STEL; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT):5.7 ML/KG.
Routes of Entry: Inhalati
on:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HIGH VAPOR CONCENTRATIONS MAY CAUSE
DROWSINESS AND IRRITATION OF THE EYES OR RESPIRATORY TRACT.
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING OR
IRRITATION. EXPECTED TO BE A LOW INGEST ION HAZARD.
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY
CLASSIFICATION:IARC/ACGIH/NTP/OSHA:NOT LISTED.
Effects of Overexposure:DROWSINESS, IRRITATION OF
EYES & RESPIRATORY
TRACT, CRACKING/DRYING OF SKIN & SKIN IRRITATION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:INHALED:MOVE TO FRESH AIR.TREAT SYMPTOMATICALLY.GET MEDICAL
ATTENTION. EYE: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 &WATER.REMOVE
CONTAMIN

ATED CLOTH & SHOES.IF SYMPTOMS OCCUR, GET MEDICAL
ATTENTION. INGESTED:SEEK MEDICAL ADVICE.

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

Flash Point Method:TCC

Flash Point:=15.6C, 60.F

Autoignition Temp:=443.C, 829.4F

Lower Limits:1.2

Upper Limits:8.0

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

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS &
PROTECTIVE CLOTHING.USE WATERSPRAY TO KEEP FIRE-EXPOSED CONTAINERS

COOL.WATER MAY BE INEFFECTIVE IN FIGHTING FIRE.

Unusual Fire/Explosion Hazard:FLAMMABLE VAPOR MAY CAUSE FLASH FIRE OR
IGNITE EXPLOSIVELY.VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO
IGNITION SOURCE & FLASHBACK. PREVENT VAPOR OR GASES BUILDUP TO
EXPLOSIVE CONCENTRATIONS. FORMS EXPL OSIVE PEROXIDES WHICH MAY BE
SHOCK SENSITIVE.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES.ABSORB SPILL
WITH VERMICULI

TE OR OTHER INERT MATERIAL, THEN PLACE IN CONTAINER

FOR CHEMICAL WASTE.LARGE SPILLS:USE WATERSPRAY TO DISPERSE VAPOUR &
DILUTE SPILL TO NON-FL AMMABLE MIXTURE.PREVENT RUNOFF FROM ENTERING
DRAINS, SEWERS, STREAMS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP
CONTAINER IN A WELL-VENTILATED PLACE. STORE AWAY FROM LIGHT. KEEP
AWAY FROM

HEAT, SPARKS & FLAME. KEEP AWAY FROM CONTACT WITH

OXIDIZING MATERIALS. DO NOT EXPOSE TO AIR. COMPLY WITH ALL
NATIONAL, STATE &LOCAL CODES PERTAINING TO THE STORAGE OF FLAMMABLE
LIQUIDS.

Other Precautions:AFTER OPENING, PURGE CONTAINER WITH NITROGEN BEFORE
RECLOSING. PERIODICALLY TEST FOR PEROXIDE FORMATION ON LONG-TERM
STORAGE. IF PEROXIDE FOARMATION IS SUSPECTED, DO NOT OPEN OR MOVE
CONTAINER. AVOID BREATHING HIGH VAPOR CONCENTRATIONS. AVOID
PROLONGED OR REPATED CO

NTACT WITH SKIN.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYP:ORGANIC VAPOR. IF RESPIRATOR USED, PROGRAM SHOULD B E INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:USE GOOD GENERAL VENTILATION (10 AIR CHANGES PER HOUR). MATCH VENTILATION RATES WITH CON DITIONS.

Protective Gloves:CHEMICAL-RESISTANT GLOVES (CONTACT MFG FOR SPEC).

Eye Protection:SAFETY GLASSES WITH SIDE SHIELD,GOGGLES.

Other Protective Equipment:EYEBATH, WASHING FACILITIES.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE;DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES.WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

VENTILATION CONTINUED: USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE

LEVELS BELOW RECOMMENDED EXPOSURE LEVELS.

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

HCC:F2

Boiling Pt:=117.2C, 243.F

Melt/Freeze Pt:=-85.C, -121.F

Decomp Temp:=-18.C, -.4F

Vapor Pres:@20C: 20 MBAR (15 MM HG)

Vapor Density:3.5

Spec Gravity:@20C: 0.80

Evaporation Rate & Reference:1.6 (N-BUTYL ACETATE=1)

Solubility in Water:MODERATE.

Appearance and Odor:LIQUID, COLORLESS, KETONE ODOR.

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

Stability

Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG REDUCING AGENTS, AMINES, ACIDS, BASES, HALOGENATED MATERIALS.

Stability Condition to Avoid: STABLE; HOWEVER FORMS EXPLOSIVE PEROXIDES ON CONCENTRATION.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Toxicological Information: ACUTE TOXICITY DATA: ORAL LD-50 (RAT): 5.7 ML/KG; ORAL LD-50 (RAT) 1600-3200 MG/KG; ORAL LD-50 (MOUSE): 2850 MG/KG; INHALATION LC-50 (RAT): 2000-4000 PPM/4 HR(S); DERMAL LD-50 (RABBIT): >10 ML/KG; SKIN IRRITATION (RABBIT): SLIGHT TO MODERATE; SKIN IRRITATION (GUINEA PIG): SLIGHT; REPEATED SKIN APPLICATIONS (RABBIT): SLIGHT TO MODERATE IRRITATION; EYE IRRITATION (RABBIT): SLIGHT TO MODERATE. SUBCHRONIC TOXICITY DATA: INHALATION STUDY (14 WEEKS, MALE RAT): NOEL=1000 PPM, (INCREASE IN WEIGHT: LIVER); INHALATION STUDY (14 WEEKS, FEMALE RAT): NOEL = 1000 PPM (HIGHEST CONCENTRATION TESTED)

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

Ecological: OXYGEN DEMAND DATA: THOD: 2.72 G OXYGEN/G; COD: 2.16-2.46 OXYGEN/G; BOD-5: 1.94-2.06 G OXYGEN/G. ACUTE AQUATIC EFFECTS DATA: 24-H EC-50 (DAPHNID): 1550 MG/L; 24-H LC-50 (GOLDFISH): 460 MG/L; 48-HR LC-50 (GOLDEN ORFEE): 672-744 MG/L; 24-H LC-50 (DAPHNID): 4280 MG/L.

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

Waste Disposal Methods: DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS. MIX WITH COMPATIBLE CHEMICAL WHICH IS LESS FLAMMABLE & INCINERATE. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINERS ARE EMPTIED. RESIDUAL VAPORS MAY EXPLODE ON IGNITION; DO NOT CUT, DRILL, GRIND OR WELD NEAR THIS CONTAINER.

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

Transport Information: DOT: CLASS 3, P

PACKING GROUP II, DOT RQ=5000 LB
(2270 KG). AIR (ICAO): CLASS 3, PACKING GROUP II. SEA (IMDG): CLASS
3.2 PACKING GROUP II.

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Regulatory Information
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SARA Title III Information:SUBJECT TO SARA III SECTION 313: METHYL
ISOBUTYL KETONE. SARA 311/312: METHYL ISOBUTYL KETONE.
Federal Regulatory Information:PRODUCT IS LISTED IN US TSCA. PRODUCT IS
HAZARDOUS UNDER OSHA 29 CFR 1910.1200
State Regulatory Information:PRODUCT/COMPONENTS NOT LISTED
IN
CALIFORNIA PROPOSITION 65. METHYL ISOBUTYL KETONE LISTED UNDER:
MASSACHUSETTS SUBSTANCE LIST; NEW JERSEY WORKPLACE HAZARDOUS
SUBSTANCE LIST; PENNSYLVANIA HAZARDOUS SUB STANCE LIST.

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Other Information
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