

HOECHST CELANESE CORPORATION -- METHYL ETHYL KETONE -- 6810-00-281-2763

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

Product ID:METHYL ETHYL KETONE

MSDS Date:12/31/1992

FSC:6810

NIIN:00-281-2763

MSDS Number: BDSVS

=== Responsible Party ===

Company Name:HOECHST CELANESE CORPORATION

Address:1250 W. MOCKINGBIRD LANE

Box:569320

City:DALLAS

State:TX

ZIP:75356-9320

Country:US

Info Phone Num:214-689-4000

Emergenc

y Phone Num:800-835-5235

CAGE:0RIR4

=== Contractor Identification ===

Company Name:CELANESE CHEMICAL CO INC; (HOECHST CELANESE CORP)

Address:1250 W MOCKINGBIRD LN

Box:City:DALLAS

State:TX

ZIP:75246

Country:US

Phone:800-424-9300

CAGE:62215

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

Company Name:HOECHST CELANESE CORP

Box:1026

City:CHARLOTTE

State:NC

ZIP:28201-1026

Country:US

Phone:800-253-2637

CAGE:0RIR4

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Composition/Information on Ingredients
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Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 99.75%
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 4.8 G/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:
NO OSHA:NO
Health Hazards Acute and Chronic:INGESTION CAN CAUSE MENTAL
SLUGGISHNESS, SLIGHTLY TOXIC. BREATHING CAUSES IRRITATION OF NASAL
PASSAGES AND THROAT. CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SKIN
CONTACT CAN CAUSE DRYING OF SKIN, DERMA TITIS. EYE CONTACT CAN CAUSE
SEVERE INJURY; DAMAGE REVERSIBLE.
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,
OR OSHA AS A CARCINOGEN.
Effects of Overexposure:MENTAL SLUGGISHNESS, NASAL IRRITATION, THROAT
IR
RITATION, STUPOR, REDDENING/SWELLING OF SKIN, DRYING OF SKIN,
DERMATITIS, EYE IRRITATION/INJURY.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, LUNGS OR
CNS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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First Aid:INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY GIVE TWO
GLASSES OF WATER OR MILK. CONTACT A PHYSICIAN IMMEDIATELY.
INHALA
TION: REMOVE VICTIM FROM CONTAMINATED AREA. IF BREATHING HAS
STOPPED, GIVE ARTI FICIAL RESPIRATION, THEN OXYGEN IF NEEDED.
CONTACT PHYSICIAN. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH SKIN
WITH SOAP AND WATER. EYES: FLUSH WITH WATER FOR 15 MINUTES. CONTACT
PHYSICIAN IMMEDIATELY

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Fire Fighting Measures
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Flash Point Method:TCC
Flash Point:20.0F,-6.7C
Lower Limits:2.0 %
Upper Limits:11.0 %
Extinguishing Media:USE CARBON DIOXIDE OR DRY

CHEMICAL FOR SMALL FIRES,
ALCOHOL-TYPE AQUEOUS FILM-FORMING FOAM OR WATER SPRAY FOR LARGE
FIRE

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK.
MATERIAL CREATE SPECIAL HAZARD BECAUSE FLOATS ON WATER.

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Accidental Release Measures =====

Spill Release Procedures:ELIMINATE IGNITION SOURCES. AVOID EYE OR SKIN
CONTACT. PLACE LEAKING CONTAINERS IN WELL-VENTILATED AREAS. IF FIRE
POTENTIAL EXISTS, BLANKET SPILL WITH FOAM OR USE WATER SPRAY TO
DISPENSE VAPORS. CONTAIN SPILL TO MINIMIZE CONTAMINATED AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL
VENTILATED

FLAMMABLE LIQUID AREA. KEEP CONTAINERS TIGHTLY CLOSED. BOND AND
GROUND CONTAINERS WHEN TRANSFERRING LIQUID.

Other Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID BREATHING
VAPOR. USE SPARK-RESISTANT TOOLS. AVOID CONTACT WITH EYES, SKIN AND
CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. DISCARD
CONTAMINATED LEATHER CLOTHING.

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Exposure Controls/Personal Protection =====

Respiratory Protection:ANY POWERED AIR-PURIFYING RESPIRATOR
WITH

ORGANIC VAPOR CARTRIDGE. ANY CHEMICAL CARTRIDGE RESPIRATOR WITH
FULL FACEPIECE AND ORGANIC VAPOR CARTRIDGE.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST
RECOMMENDED FOR ENCLOSED AREAS TO MEET TLV REQUIREMENTS.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:WASH WITH

H SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO
NOT BREATHE VAPORS OR MISTS. DO NOT INGEST. READ PRECAUTIONS ON
LABEL BEFORE USE.

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

HCC:F3

Boiling Pt:B.P. Text:175F,79C

Melt/Freeze Pt:M.P/F.P Text:-124F,-87C

Vapor Pres:77.5 MM HG

Vapor Density:2.5

Spec Gravity:0.8062

Evaporation Rate

& Reference:5.7 (BUAC=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:CLEAR, COLORLESS, MOBILE LIQUID WITH STRONG
CHARACTERISTIC "KETONE" ODOR

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

CAUSTIC SODA AND OTHER STRONG ALKALIS; HYDROCHLORIC, SULFURIC AND OTHER
STRONG INORGANIC ACIDS; AMINES; OXIDIZING AGENT

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES

OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE

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

Waste Disposal Methods:THIS PRODUCT WHEN SPILLED OR DISPOSED IS A
HAZARDOUS SOLID WASTE AS DEFINED IN RESOURCE CONSERVATION AND
RECOVERY ACT (RCRA) REGULATIONS (40CFR261). PREFERRED METHOD IS
INCINERATION OR BIOLOGICAL TREA TMENT IN FEDERAL/STATE APPROVED
FACILITY.

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mation 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.