

HOECHST CELANESE CORP -- METHYL ETHYL KETONE -- 6810-00-281-2785

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

Product ID:METHYL ETHYL KETONE

MSDS Date:12/31/1992

FSC:6810

NIIN:00-281-2785

MSDS Number: BDSWH

=== Responsible Party ===

Company Name:HOECHST CELANESE CORP

Address:1250 W. MOCKINGBIRD LANE

Box:819005

City:DALLAS

State:TX

ZIP:75381-9005

Country:US

Info Phone Num:214-277-4000

Emergency Phone Num:80

0-424-9300 (CHEMTREC)

CAGE:0RIR4

=== Contractor Identification ===

Company Name:CELANESE CHEMICAL CO

Address:1211 AVE OF THE AMERICAS

Box:City:NEW YORK

State:NY

ZIP:10036

Country:US

Phone:212-719-8000

CAGE:80447

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%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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Hazards Identific  
ation  
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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. INHALATION CAUSES IRRITATION OF RESPIRATORY TRACT AND  
STUPOR (CNS DEPRESSION). SKIN CONTACT CAN CAUSE MODERATE SKIN  
INJURY. REPEATED OR PROLONGED CONTACT CAN CAUSE DRYING AND  
DERMATITIS. EYE CONTACT WITH LIQUID & VAPORS IS I  
RRITATING AND MAY  
CAUSE SEVERE INJURY.  
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,  
OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:INGESTION CAN CAUSE MENTAL SLUGGISHNESS.  
INHALATION CAUSES IRRITATION OF RESPIRATORY TRACT AND STUPOR (CNS  
DEPRESSION). SKIN CONTACT CAN CAUSE MODERATE SKIN INJURY. REPEATED  
OR PROLONGED CONTACT CAN CAUSE DRYING AND DERMATITIS. EYE  
CONTACT WITH LIQUID & VAPORS IS IRRITATING AND MAY CAUSE SEVERE  
INJURY.

Medical

Cond Aggravated by Exposure:SIGNIFICANT EXPOSURE TO THIS CHEMICAL MAY ADVERSELY AFFECT PEOPLE WITH CHRONIC DISEASE OF THE RESPIRATORY SYSTEM, SKIN, PERIPHERAL NERVOUS SYSTEM, CENTRAL NERVOUS SYSTEM AND/OR EYES.

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

First Aid:INGESTION: DO NOT INDUCE VOMITING. GIVE 2 GLASSES OF WATER. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GIVE OXYGEN IF NEEDED. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH RUNNING WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. EYE: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:19.4F,-7.0C  
Lower Limits:2.0  
Upper Limits:11.0  
Extinguishing Media:USE CO2 OR DRY CHEMICAL OR SMALL FIRES, ALCOHOL-TYPE AQUEOUS FILM FORMING FOAM OR WATER SPRAY FOR LARGE FIRES.  
Fire Fighting Procedures:WEAR COMPLETE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING SCBA OPERATED IN PRESSURE-DEMAND MODE. USE WATER SPRAY TO DILUTE SPILLS ANDREDUCE INTENSITY OF FLAMES.  
Unusual Fire/Explosion Hazard:WATER MAY BE INEFFECTIVE BUT MAY BE USED TO COOL FIRE-EXPOSED STRUCTURES AND VESSELS. VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL TO IGNITION SOURCE AND FLASHBACK.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. WEAR SCBA AND PROTECTIVE EQUIPMENT AS REQUIRED. PLACE LEAKERS IN WELL-VENTILATED AREA WITH SPILL CONTAINMENT. DIKE TO CONTAIN SPILL. CLEAN-UP WITH ABSORBENT MATERIALS OR VACUUM TRUCK. KEEP RUNOFF AWAY FROM SEWERS ETC.  
Neutralizing Agent:DILUTE WITH WATER.

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA. KEEP AWAY FROM HEAT, SPARKS & FLAME. KEEP CONTAINERS

CLOSED WHEN

NOT IN USE. ALWAYS OPEN SLOWLY TO VENT PRESSURE.

Other Precautions:USE ONLY DOT-APPROVED CONTAINERS. USE SPARK-RESISTANT TOOLS. WHEN TRANSFERRING FOLLOW PROPER GROUNDING PROCEDURES. USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

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

Respiratory Protection:BASED ON CONTAMINATION LEVEL & WORKING LIMITS OF THE RESPIRATOR, USE A NIOSH/MSHA APPROVED AI

R-PURIFYING FULL

FACEPIECE RESPIRATOR WITH ORGANIC VAPOR CANISTER OR A POSITIVE PRESSURE FULL FACEPIECE SUPPLIED-AIR RESPIRATOR.

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

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:WHERE SPILLS OR SPLASHING CAN OCCUR, USE CHEMICAL PROTECTIVE CLOTHING AND BOOTS. SAFETY SHOWER AND EYE BATH RECOMMEND

ED.

Work Hygienic Practices:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. DECONTAMINATE SOILED CLOTHING THOROUGHLY BEFORE REUSE.

Supplemental Safety and Health

CALL THE NATIONAL RESPONSE CENTER (800-424-8802) IF THE QUANTITY SPILLED IS EQUAL TO OR GREATER THAN THE REPORTABLE QUANTITY UNDER CERCLA "SUPERFUND". DISCARD CONTAMINATED LEATHER CLOTHING.

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

HCC:F3

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

Melt/Freeze Pt:M.P/F.P T

ext:-124F,-87C

Vapor Pres:77.5

Vapor Density:2.5

Spec Gravity:0.806

pH:7

Evaporation Rate & Reference:5.7 (N-BUTYL ACETATE=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:CLEAR, COLORLESS LIQUID. MODERATELY SHARP, FRAGRANT, MINT- OR ACETONE-LIKE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CAUSTIC SODA AND OTHER STRONG ALKALIS; HYDROCHLORIC, SULFURIC AND OTHER STRONG INORGA

NIC ACIDS; AMINES; OXIDIZING AGENTS

Stability Condition to Avoid:HEAT, SPARKS, AND FLAME.

Hazardous Decomposition Products:CARBON MONOXIDE

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

Waste Disposal Methods:ALL NOTIFICATON, CLEAN-UP AND DISPOSAL SHOULD BE CARRIED OUT IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. PREFERRED METHODS OF WASTE DISPOSAL ARE INCINERATION OR BIOLOGICAL TREATMENT IN FE DERAL/STATE APPROVED FACILITY.

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