

CELANESE CHEMICAL CO -- METHYL ETHYL KETONE -- 6810-00-687-8429

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Product Identification
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Product ID:METHYL ETHYL KETONE

MSDS Date:12/31/1992

FSC:6810

NIIN:00-687-8429

MSDS Number: BTHNL

=== Responsible Party ===

Company Name:CELANESE CHEMICAL CO

Address:1211 AVE OF THE AMERICAS

City:NEW YORK

State:NY

ZIP:10036

Country:US

Info Phone Num:212-719-8000 / FAX 212-719-8588

Emergency Phone Num

:212-719-8000

CAGE:80447

=== Contractor Identification ===

Company Name:CELANESE CHEMICAL CO

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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

===== Hazards Identification =====

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 D

RYING AND

DERMATITIS. EYE CONTACT WITH LIQUID & VAPORS IS IRRITATING 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.

===== 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 BRE

ATHING, GIVE ARTIFICIAL RESPIRATION. GIVE OXYGEN IF NEEDED. GET MEDICAL AT TENTION. 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.

===== 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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I 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 VA CUUM TRUCK. KEEP RUNOFF AWAY FROM SEWERSETC.

Neutralizing Agent:DILUTE WITH WATER.

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Handling and Storage =====

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

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 A ND CLOTHING.

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Exposure Controls/Personal Protection =====

Respiratory Protection:BASED ON CONTAMINATION LEVEL & WORKI NG LIMITS OF

THE RESPIRATOR, USE A NIOSH/MSHA APPROVED AIR-PURIFYING FULL FACEPIECE RESPIRATOR WITH ORGANIC VAPOR CANISTER OR A POSITIVE PRESSURE FULL FACEPIECE SUP PLIED-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
RECOMMENDED.

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.

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

HCC:F2

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

Melt/Freeze Pt:M.P/F.P Text:-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

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

Stability Indicator/Materials to Avoid:YES

CAUSTIC SODA AND OTHER STRO

NG ALKALIS; HYDROCHLORIC, SULFURIC AND OTHER

STRONG INORGANIC 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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