

STARTEX CHEMICAL INC -- METHYL ETHYL KETONE -- 6810-00-281-2763

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Product Identification  
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Product ID:METHYL ETHYL KETONE

MSDS Date:10/16/1996

FSC:6810

NIIN:00-281-2763

MSDS Number: CDYFC

=== Responsible Party ===

Company Name:STARTEX CHEMICAL INC

Address:5 HACKBERRY LANE

Box:3087

City:CONROE

State:TX

ZIP:77305

Country:US

Info Phone Num:409-539-6244

Emergency Phone Num:409-539-6244/800-424

-9300(CHEMTREC)

CAGE:0YFV5

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:STARTEX CHEMICAL INC

Address:5 HACKBERRY LANE

Box:3087

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-539-6244

CAGE:0YFV5

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Composition/Information on Ingredients  
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Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCL

A)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 100%  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM/300STEL;9596  
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 2737 MG/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE  
RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYTEM EFFECTS.

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WALLOWING MAY CAUSE GI TRACT IRRITATION. CONTACT MAY CAUSE EYE  
IRRITATION. CHRONIC: PROLONGED OR REPEATED EXPOSUR E MAY CAUSE  
DERMATITIS, KIDNEY OR LUNG DAMAGE, LIVER ABNORMALITIES, OR BRAIN  
DAMAGE.

Explanation of Carcinogenicity:METHYL ETHYL KETONE IS NOT LISTED AS A  
CARCINOGEN BY NTP, IARC OR OSHA.

Effects of Overexposure:INHALED: COUGHING, SHORTNESS OF BREATH,  
TIGHTNESS IN CHEST, NAUSEA, DIZZINESS, HEADACHE, VOMITING, FATIGUE,  
WEAKNESS, UNCONSCIOUSNESS, DEATH. EYES: RE

DNESS, TEARING, BLURRED  
VISION, PAIN, DISCOMFORT. SKIN: REDNESS, DISCOMFORT, DRY SKIN.  
INGESTED: NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====  
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First Aid:INHALATION-REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION.

EYES-IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.  
SKIN-REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF  
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION-DO NOT INDUCE  
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE  
MEDICAL ATTENTION.

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===== Fire Fighting Measures =====  
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Flash Point Method:TCC  
Flash Point:=-5.C, 23.F  
Lower Limits:1.8  
Upper Limits:11.5  
Extinguishi

ng Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR, MAY TRAVEL TO A DISTANT SOURCE OF IGNITION AND FLASH BACK. PRODUCT CAN IGNITE EXPLOSIVELY, ESPECIALLY IF CONFINED OR CONTAINED.

===== Accidental Release Measures =====  
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Spill Release Procedures:WEAR PROPER PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION. ABSORB WITH INERT MATERIALS AND PLACE IN A CLEAN, PRPERLY MARKED CONTAINER FOR LATER DISPOSAL. DO NOT ALLOW INTO SEWER OR WATERWAYS. REPORT TO AUTHORITIES IF ENTERS WATERWAYS/SEWER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

AREA. STORE AWAY FROM SOURCES OF IGNITION AND STRONG OXIDIZING AGENTS. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.BOND & GROUND CONTAINERS DURING TRANSFER OPERATIONS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE

OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST/GENERAL MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:BUTYL OR NATURAL RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:CLOTHING TO PREVENT PROLONGED OR REPEATED SKIN CONTACT. HMIS: EYE WASH STATION R

ECOMMENDED.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.  
Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=79.4C, 175.F

Melt/Freeze Pt:=-86.7C, -124.F

Vapor Pres:70

Vapor Density:2.5

Spec Gravity:0.81

VOC Grams/Liter:6.67

Evaporation Rate & Reference:3.8 (N-BUTYL ACETATE = 1

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS

MOBILE LIQUID; PUNGENT ODOR.

Percent Volatiles by Volume:100.0

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN  
FLAMES. CONTACT WITH STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND  
OTHER UNIDENTIFIED COMPONENTS.

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

Waste Disp

osal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. EPA WASTE # U159.

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