

STARTEX CHEMICAL INC -- METHYL ETHYL KETONE -- 6810-00-281-2763
===== Product Identification =====

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

===== Composition/Information on Ingredients =====

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CE

RCLA)
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 =====

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.

SWALLOWING 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:

REDNESS, 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 =====

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

ON. 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 =====

Flash Point Method:TCC

Flash Point:=-5.C, 23.F

Lower Limits:1.8

Upper Limits:11.5

Extingui

shing 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 VENTILATE D

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 STATIO

N RECOMMENDED.

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:COLORL

ESS 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 D

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

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