

STARTEX CHEMICAL INC -- METHYL ETHYL KETONE -- 6810-00-281-2785

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Product Identification
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Product ID:METHYL ETHYL KETONE

MSDS Date:10/16/1996

FSC:6810

NIIN:00-281-2785

MSDS Number: CFCSM

=== 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:409-539-6244/800-42

4-9300(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) (CERC

LA)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
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:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION OF VAPORS MAY CAUSE
RESPIRATORY IRRITATION;
CNS DEPRESSION. CONTACT MAY CAUSE SKIN &
EYE IRRITATION. INGESTION MAY BE HARMFUL; MAY PRODUCE CNS
DEPRESSION. PROLONGED/REPEATED EXPOSURE MAY CAUSE DERAMTITIS.
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,
OR OSHA AS A CARCINOGEN.
Effects of Overexposure:IRRITATION AS NOTED ABOVE; CNS
DEPRESSION-GIDDINESS, HEADACHE, DIZZINESS, NAUSEA, UNCONSCIOUSNESS,
POSSIBLE DEATH.
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 =====

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET
MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR
15 MINUTE S HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING. WASH WITH SO
AP & WATER. GET MEDICAL
ADVICE IF IRRITATION PERSISTS. INGESTION: 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:12.5
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, "ALCOHOL" FOAM, OR
DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINES

RS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. ELIMINATE ALL IGNITION SOURCES. STOP LEAK IF POSSIBLE WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. ABSORB WITH SAND OR OTHER INERT MATERIAL AND PLACE INTO DISPOSAL CONTAINER.

Neutralizing Agent:DILUTE WITH WATER.

===== 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. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE VENTILATION. IN CASE OF FIRE, USE WATER SPRAY, ALCOHOL FOAM, DRY CHEMICAL, OR CARBON DIOXIDE. FLUSH SPILL AREA WITH WATER SPRAY.

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR FOR CONCENTRATIONS UP TO 1000 PPM. WEAR SELF-CONTAINED BREATHING APPARATUS FOR HIGHER LEVELS OF AIRBORNE CONTAMINATES.

Ventilation:EXPLOSION-PROOF MECHANICAL VENTILATION. LOCAL EXHAUST RECOMMENDED FOR ENCLOSED AREAS TO MEET TLV REQUIREMENTS.

Protective Gloves:BUTYL RUBBER OR PVA.

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:USE GOOD PERSONAL HYGIENE PRACTICES. LAUNDER CONTAMINATED CLOTHING BEFORE WEARING. FLUSH SPILL AREA WITH WATER SPRAY.

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 PREC

AUTIONS ON
LABEL BEFORE USE.

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

HCC:F2

Boiling Pt:=79.4C, 175.F

Melt/Freeze Pt:=-31.1C, -24.F

Vapor Pres:70.9

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

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

Stability

Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

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

Hazardous Decomposition Products:CARBON MONOXIDE AND UNIDENTIFIED
ORGANIC COMPOUNDS MAY FORMED DURING COMBUSTION.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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