

STARTEX CHEMICAL INC -- METHYL ETHYL KETONE -- 6810-00-687-8429

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

Product ID:METHYL ETHYL KETONE

MSDS Date:12/22/1988

FSC:6810

NIIN:00-687-8429

MSDS Number: BRLYR

=== Responsible Party ===

Company Name:STARTEX CHEMICAL INC

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Info Phone Num:409-539-6244

Emergency Phone Num:800-424-9300 CHEMTREC

CAGE:OYFV5

=== Contract

or 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:800-424-9300(CHEMTREC)/936-539-6244

CAGE:OYFV5

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

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

CAS:78-93-3

RTECS #:EL

6475000
Fraction by Wt: 100%
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

===== 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 CA
USE 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.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATEL
Y FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOV E CONTAMINATED CLOTHING. WASH WITH SOAPAND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point:23.0F,-5.0C
Lower Limits:12
Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire F

ighting 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 =====

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:NOT APPLICABLE.

===== 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.

===== 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 RECOMMENDED.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFO

RE REUSE.
Supplemental Safety and Health
NONE

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

HCC:F2
Boiling Pt:=79.4C, 175.F
Vapor Pres:70 MM HG
Vapor Density:2.5(AIR=1)
Spec Gravity:0.805 (WATER=1)
Evaporation Rate & Reference:5.7 (N-BUTYL ACETATE = 1)
Appearance and Odor:COLORLESS LIQUID
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 Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. EPA WASTE # U159.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for
use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.