

SPECTRUM CHEMICAL MFG CORP. -- METHYL ETHYL KETONE/BUTANONE -- 6810-00-281-6929

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

Product ID:METHYL ETHYL KETONE/BUTANONE

MSDS Date:04/30/1991

FSC:6810

NIIN:00-281-6929

MSDS Number: BDTBS

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-9985

Country:US

Info Phone Num:310-516-8000

Emergency Phone Num:310-516-8000/800-424-9300(CHEMTREC)

CAGE:63415

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Phone:310-516-8000/FAX: 310-516-9843

CAGE:63415

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

=====

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

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 2737 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LUNG, GI TRACT. ACUTE- IRRITANT, NARCOTIC. EYE:CAN CAUSE IRRITATION. SKIN:DERMATITIS. MAY BE ABSORBED THROUGH SKIN. INHALE:MAY CAUSE CNS DEPRESSION, RESPIRATORY TRACT IRRITATION. ORAL:MAY CAUSE COMA, HYPERVENTILATION, TACHYCARDIA, CNS EFFECTS, GI IRRITATION. CHRONIC-NEUROTOXIC EFFECTS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, TEARING, BLURRED VISION, SKIN DEFATING, ITCHING, BLISTRING, DERMATITIS, HEADACHE, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL SPASMS, PAIN
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASES INVOLVING THE EYES, SKIN, LUNGS OR CNS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.
ORAL:IF CONSCIOUS, INDUCE VOMITING USING IPECACSYRUP & WATER. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

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

Flash Point Method:CC
Flash Point:16.0F,-8.9C
Autoignition Temp:Autoignition Temp Text:759F
Lower Limits:1.4%
Upper Limits:11.4%
Extinguishing Media:USE WATER SPRAY, CARBON DIOXID

E (CO2), ALCOHOL FOAM

OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. SEE 1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

===== Accidental Release Measure

S =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT MATERIAL SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA AWAY F

ROM SOURCES OF IGNITION & INCOMPATIBLE MATERIALS. BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID.

Other Precautions:"EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO

CONTROL VAPOR CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:BUTYL 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:OBSERVE GOOD IN

DUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING,
DRINKING/SMOKING.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO
NOT BREATHE VAPORS. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE
USE.

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

HCC:F3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:176F,80C

Melt/Freeze Pt:M.P/F.P Text:-123F,-86C

Decomp Temp:Decomp Text:NO

T KNOWN

Vapor Pres:100 @ 77 F

Vapor Density:2.5

Spec Gravity:0.8054

Viscosity:0.40 CPS @77F

Evaporation Rate & Reference:2.70 (ETHER=1)

Solubility in Water:27.5%

Appearance and Odor:COLORLESS LIQUID WITH ACETONE-LIKE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, CHLOROFORM, CHLOROSULFONIC ACID, ISOPROPANOL,
PLASTICS, RADIOACTIVE MATERIALS, RESINS, RUBBER

Stabil

ity Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
FORMALDEHYDE, METHANE, METHANOL, PERACETIC ACID

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
RECOMMENDED PROCEDURE IS BY INCINERATION. EPA HAZARDOUS WASTE
NUMBER: D035 (40 CFR PART 26 2).

Disc

laimner (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.