

SPECTRUM CHEMICAL MFG CORP. -- METHYL ISOBUTYL KETONE -- 6810-00-052-1371

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

Product ID:METHYL ISOBUTYL KETONE

MSDS Date:06/23/1999

FSC:6810

NIIN:00-052-1371

MSDS Number: BGSMG

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Info Phone Num:714-864-2310

Emergency Phone Num:310-516-8000

Chemtrec Ind/Phone:(800)424-9300

CAGE:6341

5

=== 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:COMPTECH CORP

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279; 301-519-3401

Contract Num:SP0450-01-M-D514

CAGE:0BR38

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Pho

ne:310-516-8000/FAX: 310-516-9843
CAGE:63415

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

Ingred Name:METHYL ISOBUTYL KETONE (HEXONE) (SARA 313) (CERCLA)
CAS:108-10-1
RTECS #:SA9275000
= Wt:100.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:50 PPM/75 STEL; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 2080 MG/KG.
Routes of Entry: Inhalation:YES Skin:
n:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: VERY HAZARDOUS IN CASE OF EYE
CONTACT (IRRITANT) OF INGESTION OF INHALATION. HAZARDOUS IN CASE OF
SKIN CONTACT (IRRITANT PERMEATOR). INFLAMMATION OF THE EYE IS
CHARACTERIZED BY REDNESS, WATERING AND ITCHING. CHRONIC:
CARCINOGENIC EFFECTS: NOT AVAILABLE. MUTAGENIC EFFECTS: NOT
AVAILABLE. TERATOGENIC EFFECTS: NOT AVAILABLE. DEVELOPMENTAL
TOXICITY: NOT AVAILABLE
. THE SUBSTANCE IS TOXIC TO LUNGS, THE
NERVOUS SYSTEM, MUCOUS MEMBRANES. REPEATED OR PROLONGED EXPOSURE TO
THE SUBSTANCE CAN PRODUCE TARGET ORGANS DAMAGE.
Explanation of Carcinogenicity:NOT AVAILABLE.
Effects of Overexposure:ACUTE: VERY HAZARDOUS IN CASE OF EYE CONTACT
(IRRITANT) OF INGESTION OF INHALATION. HAZARDOUS IN CASE OF SKIN
CONTACT (IRRITANT PERMEATOR). INFLAMMATION OF THE EYE IS
CHARACTERIZED BY REDNESS, WATERING AND ITCHING. CHRONIC:
CARCINOGENIC EFFECTS: NOT
AVAILABLE. MUTAGENIC EFFECTS: NOT
AVAILABLE. TERATOGENIC EFFECTS: NOT AVAILABLE. DEVELOPMENTAL
TOXICITY: NOT AVAILABLE. THE SUBSTANCE IS TOXIC TO LUNGS, THE
NERVOUS SYSTEM, MUCOUS MEMBRANES. REPEATED OR PROLONGED EXPOSURE TO
THE SUBSTANCE CAN PRODUCE TARGET ORGANS DAMAGE.
Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER.

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

First Aid:EYES: CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY

FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. COLD WATER MAY BE USED. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL ATTENTION. SKIN CONTACT: AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER. GENTLY AND THOROUGHLY WASH THE CONTAMINATED SKIN WITH RUNNING WATER AND NON-ABRASIVE SOAP. BE PARTICULARLY CAREFUL TO CLEAN FOLDS, CREVICES, CREASES AND GROINS. COLD WATER MAY BE USED. COVER THE IRRITATED SKIN WITH AN EMOLLIENT. IF IRRITATION PERSISTS, SEEK IMMEDIATE MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSING. SERIOUS SKIN CONTACT:

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

Flash Point Method: CC
Flash Point: =14.C, 57.2F
Autoignition Temp: =460.C, 860.F
Lower Limits: 1.4
Upper Limits: 7.5
Extinguishing Media: SMALL FIRE: USE DRY CHEMICAL POWDER. LARGE FIRE: USE ALCOHOL FOAM, WATER SPRAY OR FOG.
Fire Fighting Procedures: FLAMMABLE LIQUID, SOLUBLE OR DISPERSED IN WATER.
Unusual
Fire/Explosion Hazard: FLAMMABLE IN PRESENCE OF OPEN FLAMES AND SPARKS. RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF MECHANICAL IMPACT. NOT AVAILABLE. RISKS OF EXPLOSION OF THE PRODUCT IN PRESENCE OF STATIC DISCHARGE. NOT AVAILABLE.

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

Spill Release Procedures: SMALL SPILL: DILUTE WITH WATER AND MOP UP, OR ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER. LARGE SPILL: FLAMMABLE LIQUID. KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS;
Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions: FLAMMABLE MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET

OR ROOM. KEEP WAY FROM HEAT.
KEEP AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER TIGHTLY CLOSED.
KEEP IN A COOL WELL-VENTILATED PLACE. GROUND ALL EQUIPMENT
CONTAINING MATERIAL. A REFRIGERATED ROOM WOULD BE PREFERABLE FOR
Other Precautions:KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF
IGNITION. GROUND ALL EQUIPMENT CONTAINING MATERIAL. DO NOT INGEST. DO
NOT BREATHE GAS/FUMES/VAPOUR/SPRAY. IN CASE OF INSUFFICIENT
VENTILATION WEAR SUITABLE RESPIRATORY EQUIPMENT. IF INGESTED,
SEEK
MEDICAL ADVICE IMMEDIATELY AND SHOW THE CONTAINER OR THE LABEL.
AVOID CONTACT

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

Respiratory Protection:VAPOR RESPIRATOR. BE SURE TO USE AN
APPROVED/CERTIFIED RESPIRATOR OR EQUIVALENT GLOVES.
Ventilation:PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS
TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR
RESPECTIVE THRESHOLD LIMIT VALUE.
Protective Gloves:GLOVES
Eye Protection:SPLASH GOGGLES
Other Protective Equipment:LAB COAT. ENSURE THAT EYEWASH STATIONS AND
SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION.
Work Hygienic Practices:AVOID SKIN & EYE CONTACT. AVOID BREATHING
VAPORS. WASH THOROUGHLY AFTER USE. DO NOT SMOKE IN USE AREA.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:F2
Boiling Pt:=115.9C, 240.6F
Melt/Freeze Pt:=-84.C, -119.2F
Vapor Pres:15.7 MM OF HG @20C
Vapor
Density:3.45
Spec Gravity:0.802
pH:NOT AVAILABLE
Viscosity:NP
Solubility in Water:PARTIALLY SOLUBLE IN COLD
Appearance and Odor:LIQUID, ODOR TASTE AND COLOR NOT AVAILABLE.

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

Stability Indicator/Materials to Avoid:YES
NOT AVAILABLE.
Stability Condition to Avoid:NOT AVAILABLE.
Hazardous Decomposition Products:NOT AVAILABLE.

===== Toxicological Information =====

Toxicological Information:TOXICITY TO A

NIMALS: ACUTE ORAL TOXICITY
(LD50): 1600 MG/KG (GUINEA PIG). ACUTE DERMAL TOXICITY (LD50):
20001 MG/KG (RABBIT). ACUTE TOXICTY OF VAPOR (LC50): 8000 PPM 4
HOURS (RAT). CHRONIC EFFECTS ON HUMANS: THIS SUBSTANCE IS TOXIC TO
LUNGS, THE NERVOUS SYSTEM, MUCOUS. OTHER TOXIC EFFECTS ON HUMANS:
VERY HAZARDOUS IN CASE OF INGESTION, OF INHALATION. HAZARDOUS IN
CASE OF SKIN CONTACT (IRRITANT, PE RMEATOR). SPECIAL REMARKS ON
TOXICITY TO ANIMALS: NOT AVAILABLE. SPECIAL REMARKS ON
CHRONIC
EFFECTS ON HUMANS: PASSES THROUGH PLACENTAL BARRIER IN HUMAN.
SPECIAL REMARKS ON OTHER TOXIC EFFECTS ON HUMANS: NOT AVAILABLE.

===== Ecological Information =====

Ecological:ECOTOXICITY: NOT AVAILABLE. BOD5 AND COD: NOT AVAILABLE.
PRODUCTS OF BIODEGRADATION: POSSIBLY HAZARDOUS SHORT TERM
DEGRADATION PRODUCTS ARE NOT LIKELY. HOWEVER, LONG TERM DEGRADATION
PRODUCTS MAY ARIS E. TOXICITY OF THE PRODUCTS OF BIODEGRADATION:
THE PRODU
CTS OF DEGRADATION ARE LESS THAN THE PRODUCT ITSELF.
SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION: NOT AVAILABLE.

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

Waste Disposal Methods:RECYCLE TO PROCESS, IF POSSIBLE. CONSULT YOUR
LOCAL OR REGIONAL AUTHORITIES.

===== MSDS Transport Information =====

Transport Information:DOT CLASSIFICATION: CLASS 3, FLAMMABLE.
IDENTIFICATION: METHYL ISOBUTYL KETONE, UN1245, PG II. SPECIAL
PROVISION FOR TRANSPORT: NOT AVAILABLE.

===== Regulatory Information =====

SARA Title III Information:SARA 313: TOXIC CHEMICAL NOTIFICATION &
RELEASE REPORTING: METHYL ISOBUTYL KETONE.
Federal Regulatory Information:CERCLA HAZARDOUS SUBSTANCES: METHYL
ISOBUTYL KETONE. TSCA 8(B) INVENTORY: METHYL ISOBUTYL KETONE.
State Regulatory Information:PENNSYLVANIA RTK: METHYL ISOBUTYL KETONE.
MASSACHUSETTS RTK:METHYL ISOBUTYL KETONE.

=====

Other Information =====

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.