

FISHER SCIENTIFIC, CHEMICAL DIV. -- METHYL ISOBUTYL KETONE -- 6810-00-052-1371

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

Product ID:METHYL ISOBUTYL KETONE

MSDS Date:07/26/1989

FSC:6810

NIIN:00-052-1371

MSDS Number: BMWFS

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone N

um:201-796-7100 OR 201-796-7523

Preparer's Name:GASTON L. PILLORI

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/75 STEL

ACG

IH TLV:50 PPM/75 STEL; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS 2080 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:HEALTH HAZARDS: ACUTE: EYE AND

RESPIRATORY TRACT IRRITATION. . CENTRAL NERVOUS SYSTEM EFFECTS.

ASPIRATION MAY CAUSE BRONCHIOPNEUMONIA OR PULMONARY EDEMA. NARCOTIC

EFFECTS AND GASTROENTERITIS IF INGEST IED. CHRONIC: CONJUNCTIVITIS,
SKIN IRRITATION, DERMATITIS.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: IRRITATION, INJURY. SKIN: IRRITATION,
DERMATITIS. INHALATION: RESPIRATORY TRACT IRRITATION, HEADACHES,
DIZZINESS, ANESTHETIC EFFECTS. INGESTION: COUGHING, HEADACHE,
DIZZINESS, DULLNESS, VOMITIN G.

Medical Cond Aggravated by Expo

sure:INDIVIDUALS WITH PREEXISTING EYES,

SKIN, RESPIRATORY, OR CENTRAL NERVOUS SYSTEM DISORDERS MAY BE MORE
ADVERSELY AFFECTED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.IF
IRRITATION PERSISTS,SEE DOCTOR. SKIN:WASH WITH SOAP AND WATER WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION:REMOVE VICTIM
TO FRE SH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR

. INGESTION:DO

NOT INDUCE VOMITING.SEE DOCTOR IMMEDIATELY.

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

Flash Point Method:CC

Flash Point:64.0F,17.8C

Autoignition Temp:Autoignition Temp Text:840F

Lower Limits:1.2

Upper Limits:8.0

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, HALON, OR DRY
CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS

WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. VAPORS HEAVIER THAN AIR, CAN TRAVEL A LONG DISTANCE AND FLASHBACK.

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

Spill Release Procedures:REMOVE PERSONNEL.ELIMINATE IGNITION SOURCES.VENTILATE AREA.WEAR PROTECTIVE CLOTHING AND EQUIPMENT.ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

=====

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE.

===== P

Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:244F,118C

Melt/Freeze Pt:M.P/F.P Text:-120F,-84C

Vapor Pres:15.7

Vapor Density:3.5

Spec Gravity:0.800

Evaporation Rate & Reference:1.6 (BUTYL ACETATE = 1)

Solubility in Water:1.9%

Appearance and Odor:COLORLESS LIQUID WITH A FAINT PLEASANT KETONIC AND CAMPHOR ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG

G OXIDIZING AGENTS, REDUCING AGENTS.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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.