

METHYL ISO-BUTYL KETONE, 5384

MSDS Number

BMTJR

National Stock Number

6810-00N027500

Product Name

METHYL ISO-BUTYL KETONE, 5384

Manufacturer

J T BAKER COMPANY

Product Identification

Product ID:METHYL ISO-BUTYL KETONE, 5384

MSDS Date:05/01/1989

FSC:6810

NIIN:00N027500

MSDS Number: BMTJR

Responsible Party

J.T. BAKER COMPANY

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

Emergency Phone: 201-859-2151

Info Phone: 201-859-2151

Cage: 70829

Contractor

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

Ingredients

2-PENTANONE, 4-METHYL-; (METHYL ISOBUTYL KETONE). (SARA

CAS: 108-10-1

RTECS: SA9275000

Fraction By Weight: 90-100%

OSHA PEL100 PPM/75 STEL

ACGIH TLV: 50 PPM/75 STEL; 9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:LD50:(ORAL RAT) 2080 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: INHAL:HEADACHE, NAUSEA, VOMITING, DIZZINESS, DROWSINESS, IRRITATION OF UPPER RESPIRATORY TRACT & UNCONSCIOUSNESS. SKIN:IRRITATION & DERMATITIS.

EYE:IRRITATION. INGEST:IRRITATION OF MUCOUS MEMBRANES, HEADACHE, NAUSEA, VOMITING, DIZZINESS, GI IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION. (EFFECTS OF OVEREXPOSURE)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HEALTH HAZARD:CHRONIC: KIDNEY & LIVER DAMAGE. TARGET ORGANS: RESPIRATORY SYSTEM, EYES, SKIN & CENTRAL NERVOUS SYSTEM.

Medical Condition Aggravated by Exposure:EYE & SKIN DISORDERS & RESPIRATORY SYSTEM DISEASE.

First Aid

First Aid:INGEST:CALL A MD. IF SWALLOWED, IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER. INDUCE VOMITING. INHAL:REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SKIN:FLUSH WITH WATER. EYE:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINS.

Fire Fighting

Flash Point Method:CC

Flash Point:60.0F,15.6C

Lower Limits:1.4%

Upper Limits:7.5%

Extinguishing Media:USE ALCOHOL FOAM, DRY CHEMICAL OR CARBON DIOXIDE. (WATER MAY BE INEFFECTIVE).

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT. MOVE CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:VAPORS MAY FLOW ALONG SURFACES TO DISTANT IGNITION SOURCES & FLASH BACK. CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE.

Accidental Release

Spill Release Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE CLOTHING. SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING OR FLAMES IN AREA. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL & PLACE (SUPPORT DATA)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED, FLAMMABLE LIQUID STORAGE AREA. KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM HEAT, SPARKS & FLAME. USE WITH ADEQUATE VENTILATION.

Other Precautions:WARNING! HARMFUL IF SWALLOWED/INHALED. AVOID CONTACT WITH EYES, SKIN & CLOTHING. AVOID BREATHING VAPORS. BOND & GROUND CONTAINERS WHEN TRANSFERRING LIQUID.

Exposure Controls

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATION UP TO 1000 PPM, A NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IS RECOMMENDED. ABOVE THIS LEVEL, A NIOSH/MSHA SCBA IS RECOMMENDED.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:POLYVINYL ALCOHOL GLOVES ARE RECOMMENDED.

Eye Protection:CHEMICAL WORKERS GOGGLES.

Other Protective Equipment:UNIFORM & APRON ARE RECOMMENDED. LAB PROTECTIVE EQUIPMENT:GOGGLES, LAB COAT, VENT HOOD, PROPER GLOVES & EXTINGUISHER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

SPILL PROCEDURE:INTO CONTAINER FOR LATER DISPOSAL. FLUSH AREA WITH WATER. JUST IN CASE BAKER SOLUSORB SOLVENT ABSORBENT IS RECOMMENDED FOR SPILLS OF THIS PRODUCT.

Chemical Properties

HCC:F3

Boiling Point:Boiling Point:240F,116C

Melt/Freeze Point:Melt/Freeze Point:-121F,-85C

Vapor Pres:15 @ 20C
Vapor Density:3.5
Spec Gravity:0.79 (H*2O=1)
Evaporation Rate & Reference:1.6 (BUTYL ACETATE=1)
Solubility in Water:MODERATE (1-10%)
Appearance and Odor:COLORLESS LIQUID; PLEASANT ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG BASES, AMINES & AMMONIA & STRONG ACIDS.
Stability Condition to Avoid:HEAT, FLAME & OTHER SOURCES OF IGNITION.
Hazardous Decomposition Products:CARBON MONOXIDE & CARBON DIOXIDE.

Disposal

Waste Disposal Methods:DISPOSE IN ACCORDANCE W/ALL APPLICABLE FEDERAL,
STATE & LOCAL ENVIRONMENTAL REGULATIONS.

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