

4-METHYL-2-PENTANONE HEXONE; METHYL ISOBUTY

MSDS Number

BQRNZ

National Stock Number

6810-00N037070

Product Name

4-METHYL-2-PENTANONE HEXONE; METHYL ISOBUTY

Manufacturer

EM SCIENCE

Product Identification

Product ID:4-METHYL-2-PENTANONE HEXONE; METHYL ISOBUTY

MSDS Date:02/24/1990

FSC:6810

NIIN:00N037070

MSDS Number: BQRNZ

Responsible Party

EM SCIENCE

111 WOODCREST RD

CHERRY HILL , NJ 08034-0395

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 513-631-0445

Cage: DO242

Contractor

EM SCIENCE

70

GIBBSTOWN, NJ 08927

US

800-424-9300 (CHEMTREC)

Cage: DO242

Ingredients

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

CAS: 108-10-1

RTECS: SA9275000

Fraction By Weight: 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:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:HARMFUL IF INHALED OR SWALLOWED.

INGESTION CAUSES INFLAMMATION OF DIGESTIVE TRACT & NARCOSIS. VAPORS ARE EXTREMELY IRRITATING TO EYES, NOSE, THROAT & RESPIRATORY TRACT. PROLONGED EXPOSURE OR HIGH VAPO R CONCENTRATIONS CAN CAUSE NAUSEA, HEADACHE, DIZZINESS, UPSET STOMACH & UNCONSCIOUSNESS. SKIN CONTACT (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:CAUSES DRYING & IRRITATION.

Medical Cond Aggravated by Exposure:PERSONS W/PRE-EXISTING SKIN OR EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

First Aid

First Aid:GET MED ASSISTANCE FOR ALL CASES OF OVEREXP. SKIN:IMMED FLUSH THORO W/LG AMTS OF WATER. EYES:IMMED FLUSH THORO W/WATER FOR AT LST 15 MINS. INHAL:REMOVE TO FRESH AIR; GIVE ARTF RESP IF BRTHG HAS STOPPE D. INGEST:IF CONSCIOUS, DRINK WATER & INDUCE VOMIT IMMED AS DIRECTED BY MED PERS. NEVER GIVE ANYTHING BY MOUTH TO UNCON PERS. REMOVE CONTAM CLTHG & WASH BEFORE REUSE.

Fire Fighting

Flash Point Method:TCC

Flash Point:73.0F,22.8C

Lower Limits:1.4%

Upper Limits:7.5%

Extinguishing Media:"ALCOHOL" FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS & DISPERSE VAPORS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:DANGEROUS FIRE & EXPLOSION HAZARD. VAPORS CAN TRAVEL DISTANCES TO IGNITION SOURCE & FLASH BACK. IGNITES ON CONTACT W/POTASSIUM-TERT-BUTOXIDE.

Accidental Release

Spill Release Procedures:ELIMINATE IGNITION SOURCES. DIKE SPILL, TAKE UP WITH ABSORBENT & CONTAINERIZE FOR PROPER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:KEEP CNTNR CLSD & PROT AGAINST PHYSICAL DMG. STORE IN COOL AREA AWAY FROM IGNIT SOURCES & OXIDIZERS. DO NOT BREATHE VAPS.

Other Precautions:DO NOT GET IN EYES, IN SKIN OR ON CLTHG. ELECTRICALLY GROUND ALL EQUIP WHEN HNDLG THIS PROD. RETAINED RESIDUE MAY MAKE EMPTY CNTNRS HAZ; USE CAUTION! DO NOT TAKE INTERNALLY.

Exposure Controls

Respiratory Protection:IF WORKPLACE EXPOS LIM(S) OF PROD/ANY COMPONENT IS EXCEEDED (TLV/PEL), A NIOSH/MSHA APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA APP RVD RESPS (NEG PRESS TYPE) UNDER(SUPDAT)

Ventilation:ENGINEERING &/OR ADMIN CONTROLS SHLD BE IMPLEMENTED TO REDUCE EXPOS. MATL MUST BE HNDLD/TRANSFERRED IN APPRVD (SUPDAT)

Protective Gloves:PVA OR EQUIVALENT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING SHOULD BE WORN TO PREVENT SKIN CONTACT. EYE WASH & SAFETY EQUIP SHOULD BE READILY AVAIL.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

MFR'S TRADE NAME/PART NO:KETONE, 0813717. RESP PROT:SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIP SUPPLIER). VENT:FUME HOOD OR W/EQUIVALENT VENTILATION.

Chemical Properties

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

Melt/Freeze Pt:M.P/F.P Text:-112F,-80C

Vapor Pres:16 @ 20C

Vapor Density:3.5
Spec Gravity:0.8
Evaporation Rate & Reference:1.64
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS TO PALE YELLOW LIQUID; SHARP, MINT-LIKE
ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
ACIDS, OXIDIZERS, HALOGENS, ALKALINE MATLS, REDUCING AGENTS, POTASSIUM
T-BUTOXIDE.
Stability Condition to Avoid:HEAT, SPARK, OPEN FLAME.
Hazardous Decomposition Products:CO*X.

Disposal

Waste Disposal Methods:WASTE DISPOSAL TO BE PERFORMED IN COMPLIANCE
W/ALL CURRENT LOCAL, STATE & FEDERAL REGULATIONS.

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