

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-115/115-19-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
115-19-5  
**Code:**  
M

**RTECS:**  
ES0810000  
**Code:**  
M

**Name:**  
METHYL BUTYNOL ,CAS#115-19-5

**Other REC Limits:**  
N/P

**OSHA PEL:**  
N/P  
**Code:**

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS.

**Ventilation:**  
LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

**Protective Gloves:**  
SOLVENT RESISTE

**Eye Protection:**  
SAFETY/CHEM GOGGLES

**Other Protective Equipment:**  
Equipment FULL WORK CLOTHING TO PREVENT REPEATED OR PROLONGED CONTACT.

**Work Hygienic Practices:**  
WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

**Supplemental Safety and Health:**  
MSDS REVISED DATE:APRIL 10,1987;PHYSICAL PROPERTIES ARE OF LIQUID(MIXTURE)BEFORE FILLING INTO AEROSOL CANS;CHRONIC OVER EXP:MAY CAUSE LIVER AND KIDNEY EFFECTS.8000 PPM LEVEL:CARDIAC ARRTHYMIAS

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 FOR THIS PRODUCT IS NOT ESTABLISHED

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION,CARDIAC ARRYTHMIAS(ABOVE 8000PPM) AND CNS EFFECTS.CHRONIC:MAY DAMAGE LIV ER AND KIDNEYS.

**Explanation Of Carcinogenicity:**  
1,4 DIOXANE IS IARC-2B/NTP-AC/EPA-B2.

**Signs And Symptions Of Overexposure:**  
INHAL:HEADACHE,DIZZINESS,ANESTHESIA, UNCONSCIOUSNESS.EYES:PAIN SKIN:IRRITATION.

**Medical Cond Aggravated By Exposure:**  
PERSONS WITH PRE-EXISTING HEART ARRYTHMIAS MAY BE AT INCREASED RISK FROM EXPOSURE. 4

**First Aid:**  
SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMP T QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,RINSE MOUTH.

**Spill Release Procedures:**  
USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.WASH SPILL AREA TO REMOVE SL IPPINESS.

**Neutralizing Agent:**  
NOT APPLICABLE.

**Waste Disposal Methods:**  
DO NOT INCINERATE;DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE IN COOL DRY AND WELL VENTILATED AREA.KEEP AWAY FROM HEAT,OPEN FLAMES.

**Other Precautions:**  
AVOID CONTACT WITH EYES & SKIN.DO NOT BREATHE VAPORS. WASH THOROUGHLY AFTER EACH USE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
7.0

**Upper Limits:**  
15.5

**Extinguishing Media:**  
WATER FOG,CO2,FOAM,DRY CHEMICAL.

**Fire Fighting Procedures:**  
5 FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

**Unusual Fire/Explosion Hazard:**  
AEROSOL CAN MAY EXPLODE IF THEIR TEMP. EXCEEDS 130F

## Physical/Chemical Properties

**HCC:**  
V2

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**  
6

**Boiling Point:**

**B.P. Text:**  
164F,73C

**Melt/Freeze Pt:**

**M,P/F,P Text:**  
N/R

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
73

**Vapor Density:**  
4.16

**Volatile Org Content %:**

**Spec Gravity:**  
1.293

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
N/K

**Evaporation Rate & Reference:**  
RAPID

**Solubility in Water:**  
SLIGHT

**Appearance and Odor:**  
COLORLESS LIQUID-IRRITATING ODOR AT HIGH CONCENTRA

**Percent Volatiles by Volume:**  
100

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
OPEN FLAMES,ARCS,HIGH TEMPERATURES

**Materials To Avoid:**  
ALUMINUM AND/OR ZINC POWDER

**Hazardous Decomposition Products:**  
THERMAL-HCL,CL2,SOME PHOSGENE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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