

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-251/25167-67-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
25167-67-3
Code:
M

RTECS:
EM2893000
Code:
M

Name:
BUTENE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NORMALLY NOT REQUIRED.

Ventilation:
LOCAL EXHAUST:USE EXPLOSION-PROOF EQPMT. MECHANICAL (GENERAL):USE EXPLOSION-PROOF EQPMT.

Protective Gloves:
PROTECTIVE CRYOGENIC GLOVES. 3

Eye Protection:
NOT NORMALLY NECESSARY.

Other Protective Equipment:
Equipment NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
EYE:MAY PRESENT MODERATE IRRIT. SKIN:SEVERE EXPOSURE W/LIQUID MAY CAUSE FROSTBITE. INHAL:EXPOSURE TO HIGH CONC CAN RESULT IN DIZZ,ANESTHESIA OR RESP ARREST.

Explanation Of Carcinogenicity:
N/P

Signs And Symptoms Of Overexposure:
MODERATE EYE IRRITATION. FROSTBITE ON SKIN. DIZZINESS, ANESTHESIA, RESPIRATORY ARREST.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER. 2

First Aid:
IF OVEREXPO REMOVE TO FRESH AIR. GUARD AGAINST SELF INJURY. APPLY ARTIFICIAL RESPIRATORY IF BREATHING HAS SPED. CONTACT PHYSICIAN.

Spill Release Procedures:
SHUT OFF SUPPLY OF GAS. ELIMINATE SOURCES OF IGNITION, VENTILATE AREA. DISPERSE W/WATER SPRAY. IF LIQUID ENTERS WATERWAY/SEWERS NOTIFY LOCAL AUTHORITIES.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DUE TO HIGH VOLATILITY RAPID EVAPORATION WILL OCCUR ALONG W/RAPID DISPERSAL OF PROD.DISPOSER MUST COMPLY W/FED/STATE/LOC DISPOSAL/DISCHARGE LAWS TO INSURE AGAINST ECOLOGICAL DMG.

Handling And Storage Precautions:
KEEP CNTNR AWAY FROM HEAT SOURCES.STORE IN UPRIGHT POSITION.CNTNRS SHOULD NOT BE DROPPED.ISOLATE FROM OXY,CHLORINE,COMBUST ORG,OXIDIZING MATLS.

Other Precautions:
STORE IN COOL WELL VENTILATED AREA OF NON-COMBUSTIBLE CONSTRUCTION AWAY FROM POSSIBLE SOURCES OF IGNITION.USE EXPLOSION-PROOF METERS & ELIMINATE ALL SOURCES OF IGNITION.

Fire and Explosion Hazard Information

Flash Point Method:

Flash Point:

Flash Point Text:
NP

Autoignition Temp:

Autoignition Temp Text:
NP

Lower Limits:
1.08

Upper Limits:
10

Extinguishing Media:
DRY POWDER.

Fire Fighting Procedures:
DO NOT EXTINGUISH FLAME.S FLOW OF GAS.USE WATER TO KEEP FIRE-EXPO CNTNR COOL.USE WATERSPRAY TO DISPERSE UNIGN GAS/VAP.WEAR SCBA & PROT CLOTHING.

Unusual Fire/Explosion Hazard:
EXTREMELY FLAMMABLE.

Physical/Chemical Properties

HCC:
G2

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
5F,-15C

Melt/Freeze Pt:

M.P/F.P Text:
NP

Decomp Temp:

Decomp Text:
NP

Vapor Pres:
30 @70F

Vapor Density:
1.86

Volatile Org Content %:

Spec Gravity:
0.505 @77F

VOC Pounds/Gallon:

PH: NP

VOC Grams/Liter:

Viscosity:
NP

Evaporation Rate & Reference:
NP

Solubility in Water:
NEGLIGIBLE

Appearance and Odor:
COLORLESS, ODORANT ADDED GAS

Percent Volatiles by Volume:
100

Corrosion Rate:
NP

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
DO NOT INHALE VAPOR.AVOID SKIN CONTACT W/LIQUID.

Materials To Avoid:
OXIDIZING MATLS.MIXING W/OXYGEN OR AIR EXCEPT AT BURNER.

Hazardous Decomposition Products:
NONE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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