

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-123/123-39-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

123-39-7

Code:

M

RTECS:

LQ3000000

Code:

M

Name:

MONOMETHYLFORMAMIDE

Other REC Limits:

N/K 1

OSHA PEL:

N/K

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

200 PPM

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:

PROVIDE LOCAL EXHAUST VENTILATION TO KEEP

Protective Gloves:

N/K

Eye Protection:

GOGGLES, FACE SHIELD

Other Protective Equipment:

Equipment COVERALLS, APRON, BOOTS AS NECESSARY TO PREVENT SKIN CONTACT.

Work Hygienic Practices:

N/K

Supplemental Safety and Health:

MOLECULAR WEIGHT: 73.09

Health Hazards Data

LD50LC50Mixture:

RAT ORAL LD50 = 1.5 G/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION: OVEREXPOSURE SKIN ABSORPTION MAY CAUSE ABDOMINAL PAIN, LOSS OF APPETITE, NAUSEA, VOMITING, DIARRHEA, & INCREASED BLOOD PRESSURE. LIVER INJURY MAY RESULT. MAY CAUSE FACIAL FLUSHING, ESPECIALLY IN CONJUNCTION W/ALCOHOL INGESTION. SKIN: REPEATED W/ THE LIQUID MAY RESULT IN A DEFATTING DERMATITIS.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

IRRITATION OF THE EYES/SKIN. SKIN: REPEATED CONTACT WITH THE LIQUID MAY RESULT IN A DEFATTING DERMATITIS. CHRONIC OVEREXPOSURE TO DIMETHYLFORMAMIDE MAY RESULT IN LIVER & KIDNEY DAMAGE. OVEREXPOSURE SKIN ABSORPTION MAY CAUSE ABDOMINAL PAIN, LOSS OF APPETITE, NAUSEA, VOMITING, DIARRHEA, & INCREASED BLOOD PRESSURE.

Medical Cond Aggravated By Exposure:

LIVER & KIDNEY DAMAGE.

First Aid:

EYES: FLUSH W/FLOWING WATER AT LEAST 15 MINS. SKIN: WASH AFFECTED AREAS THOROUGHLY W/SOAP & WATER. INGESTION: IF SWALLOWED, DILUTE WITH WATER & INDUCE VOMITING. GET MED ATT. INHALATION: MOVE TO FRESH AIR. AID IN BREATHING, IF NECESSARY, & GET MED ATT. NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.

Spill Release Procedures:

SPILLS SHOULD BE CONTAINED, SOLIDIFIED, & PLACED IN SUITABLE CONTAINERS FOR DISPOSAL IN A RCRA LICENSED FACILITY. THIS MATERIAL IS RCRA HAZARDOUS DUE TO ITS PROPERTIES.

Neutralizing Agent:

N/K

Waste Disposal Methods:

INCINERATE OR BURY AS A SOLID IN A RCRA LICENSED FACILITY. DON'T DISCHARGE INTO WATERWAYS OR SEWERS SYSTEMS.

HAZARDOUS WASTE NUMBER D001.

Handling And Storage Precautions:

EMPTY CONTAINERS WITH <1 INCH OF RESIDUE MAY BE LANDILLED AT A LICENSED FACILITY. RECOMMEND CRUSHING OR OTHER MEANS TO PREVENT UNAUTHORIZED REUSE.

Other Precautions:

DON'T REUSE THIS CONTAINER UNLESS IT IS PROFESSIONALLY CLEANED AND RECONDITIONED.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The product information in this document is based on safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Flash Point Text:

58C 3

Autoignition Temp:

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Autoignition Temp Text:

N/A

Lower Limits:

2.2%

Upper Limits:

N/R

Extinguishing Media:

WATER FOG, FOAM, CO₂, DRY CHEMICAL

Fire Fighting Procedures:

FIREFIGHTERS SHOULD BE EQUIPPED WITH SCBA & TURN-OUT GEAR. USE WATER TO KEEP CONTAINERS COOL.

Unusual Fire/Explosion Hazard:

MODERATE, WHEN EXPOSED TO HEAT OR FLAMES. CAN REACT WITH OXIDIZING MATERIALS. EXPLOSION HAZARD WHEN EXPOSED TO FLAME.

Physical/Chemical Properties

HCC:**NRC/State LIC No:****Net Prop WT For Ammo:**

N/P

Boiling Point:

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B.P. Text:

153C

Melt/Freeze Pt:

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Decomp Temp:

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Decomp Text:

N/R

Vapor Pres:

2.65

Vapor Density:

2.51

Volatile Org Content %:

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

Spec Gravity:

0.9445

VOC Pounds/Gallon:

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

PH:

N/R 4

VOC Grams/Liter:

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Viscosity:

N/P

Evaporation Rate & Reference:

N/R

INFINITE**Appearance and Odor:**

COLORLESS LIQUID, AMINE ODOR.

Percent Volatiles by Volume:

N/R

Corrosion Rate:

N/R

Reactivity Data:

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Stability Indicator:

YES

Stability Condition To Avoid:

HEAT, SPARKS, FLAME, HUMIDITY.

Materials To Avoid:

BROMINE/INORGANIC ACIDS/HALOGENATED HYDROCARBONS/OXIDIZERS/MAGNESIUM/ORGANIC NITRATES/METHYLENE DIISOCYANATE/ALUMINUM.

Hazardous Decomposition Products:

FORMIC ACID & DIMETHYL AMINE

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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