

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-61/61-73-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
61-73-4  
**Code:**  
M

**RTECS:**  
SO5600000  
**Code:**  
M

**Name:**  
METHYLENE BLUE ,CAS#61-73-4 (0.0003%)

**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:**  
N/P

**Ventilation:**  
PROVIDE MECHAN(GEN/LOCAL EXHAUST)VENT TO MAINTN

**Protective Gloves:**  
NEOPRENE

**Eye Protection:**  
SAFETY/CHEM GOGGLES

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

**Work Hygienic Practices:**  
5 N/P

**Supplemental Safety and Health:**  
MSDS DATED:01/01/87;

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
N/P

**Skin:**  
N/P

**Ingestion:**  
N/P 3

**Carcinogenicity Inds - NTP:**  
N/P

**IARC:**  
N/P

**OSHA:**  
N/P

**Health Hazards Acute And Chronic:**  
N/P

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptions Of Overexposure:**  
INHAL:HEADACHE,DROWSINESS,LOSS OF APPETITE; INGEST:CNS DEP,NAUSEA,VOMIT,DIARRHEA;EYE:IRRIT:SKIN:IRRIT

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
INHALE:REMOVE TO FRESH AIR, GIVE CPR/O2 IF NEED;EYES/SKIN:FLUSH W LG AMTS H2O FOR 15 MIN;INGEST:RINSE MOUTH; GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER SYMPTOMS OF OVEREXPOSURE.

**Spill Release Procedures:**  
USE PROPER PERSONAL PROTECTION;CONTAIN SPILLED MATERIAL;TRANSFER TO SECURE CONTAINERS.USE SUITABLE ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
DISPOSE COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE:COOL,DRY AND WELL VENTILATED AREA.KEEP AWAY FROM HEAT,OPEN FLAMES AND SPARKS;KEEP CONTAINER TIGHTLY CLOSED AND SECURED.

**Other Precautions:**  
AVOID CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/ MIST:POISON,DO NOT DRINK. 4

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
63F/17.2C (TCC)

**Autoignition Temp:**

**Autoignition Temp Text:**  
685F

**Lower Limits:**  
3.3

**Upper Limits:**  
19.0

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

**Fire Fighting Procedures:**  
USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED AREA.

**Unusual Fire/Explosion Hazard:**  
EXPOSURE TO SMOKE,FUMES OR HAZARDOUS PRODUCTS ON DECOMPOSITION.

## Physical/Chemical Properties

**HCC:**  
F5

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
173F/78C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/A

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
45

**Vapor Density:**  
1.59

**Volatile Org Content %:**

**Spec Gravity:**  
0.8189

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
CLEAR AND COLORLESS LIQUID.

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXTREME HEAT

**Materials To Avoid:**  
ACETYL CHLORIDE,OXIDIZING AGENT

**Hazardous Decomposition Products:**  
6 ON DECOMPOSITION:CO,CO2 AND SMOKE,HAZARDOUS FUMES.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE NOTED

## 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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