

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-477/477-73-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
477-73-6  
**Code:**  
M

**RTECS:**  
SG1623000  
**Code:**  
M

**Name:**  
PHENAZIUM, 3, 7-DIAMINO-2, 8-DIMETHYL-5-PHENYL, C

**Other REC Limits:**  
N/K

**OSHA PEL:**  
NOT APPLICABLE  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT APPLICABLE  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

**Ventilation:**  
LOCAL VENTILATION.

**Protective Gloves:**  
RUBBER OR PLASTIC GLOVES.

**Eye Protection:**  
CHEMICAL WORKERS GOGGLES (FP N).

**Other Protective Equipment:**  
Equipment EMERGENCY EYE BATH AND SAFETY SHOWER.

**Work Hygienic Practices:**  
WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING, SMOKING OR USING SANITARY FACILITIES (FP N).

**Supplemental Safety and Health:**  
KEY1:N1. FLASH POINT: 55.0F/12.8C (ETHYL ALCOHOL-9.025%)

## 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:**  
LIQUID IS POISONOUS BY INGESTION. EXCESSIVE OR CHRONIC CONTACT MAY CAUSE SKIN DEHYDRATION AND DERMATITIS.

**Explanation Of Carcinogenicity:**  
NOT RELEVANT

**Signs And Symptions Of Overexposure:**  
4 SEE HEALTH HAZARDS.

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

**First Aid:**  
INGEST:INDUCE VOMITING IF CONSCIOUS, & CALL MD. EYES:IMMEDIATELY FLUSH W/WATER FOR AT LEAST 15 MINUTES. CALL MD IF IRRITATION PERSISTS. SKIN:IMMEDIATELY FLUSH W/WATER FOR 15 MINUTES. CALL MD IF IRRITATION PERSISTS. INHAL:REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O2/ARTF RESP), CALL MD (FP N).

**Spill Release Procedures:**  
ELIMINATE ALL SOURCES OF IGNITION. USE ABSORBENT MATERIAL FOR SMALL SPILLS.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
SMALL VOLUMES MAY BE DILUTED W/WATER. DISPOSE OF I/A/W FEDERAL, STATE AND LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
USE W/LOCAL VENTILATION TO PREVENT ACCUMULATION. KEEP AWAY FROM SOURCES OF HEAT, SPARKS AND OPEN FLAME.

**Other Precautions:**  
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## Fire and Explosion Hazard Information

**Flash Point Method:**  
TCC

**Flash Point:**

**Flash Point Text:**  
SEE SUB. DATA

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
3.3

**Upper Limits:**  
19.0

**Extinguishing Media:**  
5 ALCOHOL FOAM, CARBON DIOXIDE, WATER SPRAY, DRY CHEMICAL.

**Fire Fighting Procedures:**  
NONE. WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

**Unusual Fire/Explosion Hazard:**  
THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL AND PHOSGENE (FP N).

## Physical/Chemical Properties

**HCC:**  
F2

**NRC/State LIC No:**  
6

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
0F,-18C

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
INTENSE RED LIQUID W/CHARACTERISTIC ODOR.

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT, SPARKS, AND OPEN FLAME.

**Materials To Avoid:**  
MAY REACT W/STRONG OXIDIZING AGENTS.

**Hazardous Decomposition Products:**  
CO FROM INCOMPLETE COMBUSTION. HCL AND PHOSGENE (FP N).

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT

## 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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WARRANTY  
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