

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-642/6423-43-4.html> for suppliers of this product.

### Composition/Information on Ingredient

6423-43-4  
**Code:**  
M

**RTECS:**  
TY6300000  
**Code:**  
M

**Name:**  
1,2-PROPANEDIOL, DINITRATE; (PROPYLENE GLYCOL DIN

**Other REC Limits:**  
N/K

**OSHA PEL:**  
0.05 PPM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
0.05 PPM, S  
**Code:**  
M

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

## Control Measures

IF LOCAL VENTILATION DOES NOT KEEP VAPOR LEVEL BELOW THE PEL, USE NIOSH/MSHA APPROVED SELF-CONTAINED OPEN CIRCUIT, PRESSURE DEMAND RESPIRATOR HAVING A SERVICE LIFE OF 30 MINUTES.

**Ventilation:**  
LOCAL EXHAUST AND MAKE-UP AIR. SPECIAL: SLIGHT NEGATIVE STATIC PRESSURE OF 0.05 TO 0.10 INCHES OF WATER.

**Protective Gloves:**  
NEOPRENE GLOVES.

**Eye Protection:**  
ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

**Other Protective Equipment:**  
Equipment ANSI APPROVED EYE WASH DELUGE SHOWER (FP N). PROTECTIVE COVERALLS.

**Work Hygienic Practices:**  
NO SMOKING, EATING OR DRINKING IN THE WORKPLACE.

**Supplemental Safety and Health:**  
NONE SPECIFIED BY MANUFACTURER.

**LD50LC50Mixture:**

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE EFFECTS INCLUDE NASAL CONGESTION, HEADACHES, NAUSEA, DIZZINESS, DILATION OF BLOOD VESSELS, DECREASE IN BLOOD PRESSURE AND LABORED BREATHING. CHRONIC EFFECTS ARE NOT KNOWN BUT SOME TYPES OF HEART DISEASE ARE ASSOCIATED WITH EXPOSURE TO NITRATE ESTERS.

**Explanation Of Carcinogenicity:**  
NOT RELEVANT

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

**Medical Cond Aggravated By Exposure:**  
LOW BLOOD PRESSURE, HEART DISEASE.

**First Aid:**  
INGEST: CALL MD IMMEDIATELY (FP N). INHAL: REMOVE AFFECTED PERSONNEL FROM CONTAMINATED AREAS TO FRESH AIR AND GIVE HOT COFFEE FOR HEADACHE. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP A ND WATER. EYES: IRRIGATE EYES FOR AT LEAST 15 MINUTES.

**Spill Release Procedures:**  
CONTAIN SPILL WITH ABSORBENT MATERIALS SUCH AS TOWELS OR SAWDUST. PLACE CONTAMINATED ABSORBENT IN PLASTIC BAG. CLEAN AREA WITH ALCOHOL AND SOAP AND WATER. PLACE CLEANING SOLUTION IN PLASTIC BAG FOR DI SPOSAL.

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

**Waste Disposal Methods:**  
DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N). PRESENT DISPOSAL METHOD IS TO BURN IN AN EPA-APPROVED RADICATOR OR BURIAL SITE.

**Handling And Storage Precautions:**  
COVERED STORAGE AREA AND DIKING AROUND STORAGE AREA TO CONTAIN SPILL.

**Other Precautions:**  
NONE SPECIFIED BY MANUFACTURER.

Flash Point Method:  
COC

**Flash Point:**

**Flash Point Text:**  
265F,129C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K 4

**Extinguishing Media:**  
WATER.

**Fire Fighting Procedures:**  
USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). FINELY DISPERSED WATER FOG.

**Unusual Fire/Explosion Hazard:**  
NONE.

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**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
>250F,>121C

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
0.0877

**Vapor Density:**  
1.232

**Volatile Org Content %:**

**Spec Gravity:**  
1.232 (H\*20=1)

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Expiration Date & Re-**

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
RED-ORANGE LIQUID; DISAGREEABLE ODOR.

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

**Corrosion Rate:**  
N/K

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**Reactivity Data**

YES

TEMPERATURES ABOVE 250F.

**Materials To Avoid:**  
NOT APPLICABLE.

**Hazardous Decomposition Products:**  
CARBON MONOXIDE IN OPEN BURNING; HCN IN TORPEDO BURNING CONDITIONS.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT

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## Toxicological Information

### MGDS Transport Informs

## Regulatory Information

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**State Regulatory Information:** N/A

**Other Information:**N/P

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**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used