

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

Cas:

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

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

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.

Health Hazards Data

LD50/LC50/Mixture:

NONE SPECIFIED BY MANUFACTURER.

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 Symptoms 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 AND 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 DISPOSAL.

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.

Fire and Explosion Hazard Information

Flash Point Method:

COC

Flash Point:

N/A

Flash Point Text:

265F,129C

Autoignition Temp:

N/A

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.

Physical/Chemical Properties

HCC:**NRC/State LC No:****Net Prop WT For Ammo:****Boiling Point:**

>250F,121C

Melt/Freeze Pt:

Melt/Freeze Pt:

M.P./F.P. Text:

N/A

Decomp Temp:

N/K

Decomp Text:

N/K

Vapor Pres:

0.0877

Vapor Density:

1.222

Volatile Org Content %:

NO

Spec Gravity:

1.232 (H2O=1)

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/A

Solubility in Water:

INSOLUBLE

Appearance and Odor:

RED ORANGE LIQUID; DISAGREEABLE ODOR.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

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

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:

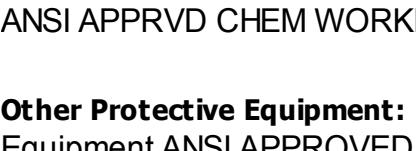
N/P

Other Information

Other Information:

N/P

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