

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-121/121-14-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
121-14-2
Code:
M

RTECS:
XT1575000
Code:
M

Name:
DINITROTOLUENE (SARA III)

Other REC Limits:
NOT KNOWN

OSHA PEL:
1.5 MG/M3 SKIN
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT KNOWN
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
MSHA-NIOSH APPROVED POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR PROVIDES THE BEST PROTECTION.

Ventilation:
USE LOCAL EXHAUST TO KEEP EXPOSURES TO A MINIMUM.

Protective Gloves:
IMPERVIOUS

Eye Protection:
CHEMICAL SAFETY GOGGLES (FP A).

Other Protective Equipment:
Equipment COVERALLS AND APRON.EYEWASH FACILITIES AS NEEDED.

Work Hygienic Practices:
WASH CONTAMINATED CLOTHING DAILY DECONTAMINATE FOOTWEAR BEFORE REUSE.SHOWER THOROUGHLY AT END OF WORK SHIFT.(SEE SUP) 6

Supplemental Safety and Health:
PART NUMBER:9205472.SPECIFIC GRAVITY:1.5 (WATER=1) FOR PROPELLANT M1.HYGIENE PRACT:THOROUGHLY WASH HANDS & FACE WITH SOAP & WATER BEFORE EATING,DRINKING OR SMOKING.EATING,DRINKING OR SMOKING SHOULD NO T BE ALLOWED IN HANDLING AREAS.

Health Hazards Data

LD50LC50Mixture:
LD50 RAT ORAL >5 G/KG PROPELLANT (EST).

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
SEE SIGNS AND SYMPTOMS OF OVEREXPOSURE.

Explanation Of Carcinogenicity:
NONE 4

Signs And Symptions Of Overexposure:
TOXICITY INFO NOT AVAIL.PROPELLANT IN CLOTH BAG HANDLED IAW GOOD INDUS HYG MAY NOT PRESENT HEALTH HAZARD.SKIN:RPTD/PRLNGD CONTACT W/ PROPELLANT MAY IRRITATE.ABSORPTION/INGEST/INHAL OF DINITROTOLUENE M AY CAUSE FORMATION OF METHEMOGLOBINEMIAW/ CYANOSIS,NAUS,CONFUSION.SINGLE DOSE INGESTED IS PRACTICALLY NONTOXIC.

Medical Cond Aggravated By Exposure:
NOT KNOWN

First Aid:
OPEN BAG W/ SIGNIFICANT EXPOS:EYES:FLUSH W/ H*20.REMOVE CONTACT LENSES.CONTINUE FLUSHING FOR AT LEAST 15 MIN.IF SYMPTOMS DEVELOP,GET MED HELP. SKIN:WASH SKIN/HAIR/NAILS W/ LOTS OF SOAP & H*20.GET MED ATTN. INGEST:DRINK 1-2 GLASSES OF H*20.SEE MED PERS.GIVE NOTHING BY MOUTH IF UNCON. INHAL:MOVE TO FRESH AIR.IF NOT BRTHG,GIVE ARTF RESP,PREF MOUTH-TO-MOUTH.IF BRTHG LABORED:GIVE O*2.CONSULT MED PERS.

Spill Release Procedures:
OPEN BAG:ELIMINATE IGNITION SOURCES.VENTILATE AREA.WEAR SKIN & RESP PROTECTION.CLEAN UP IMMEDIATELY USING SOFT BRISTLED BRUSH & CONDUCTIVE RUBBER OR PLASTIC SHOVEL.USE EXTREME CAUTION;MATL IS SENSITIV E TO FRICTION,IMPACT & ELECTROSTATIC DISCHARGE.

Neutralizing Agent:
NOT KNOWN

Waste Disposal Methods:
DISP MUST BE IAW FED,STATE,& LOC REGS.COORDINATE W/ SUPPORTING INSTALLATION/MACOM ENVIRON OFFICE PRIOR TO DISP (FP A).EMPTY CONTR RETAINS RESIDUES.OBSERVE ALL HAZARD PRECAUTIONS.USE EMPTY CONTAINER ON LY FOR STORAGE AND SHIPMENT OF ORIGINALPRODUCT.

Handling And Storage Precautions:
FOLLOW ARMY REGS FOR HNDLG & STORAGE.SENSITIVE TO FRICTION,IMPACT,ELECTROSTATIC DISCHARGE.CONTROL OF EXPOSURE TO

Other Precautions:
PREVENT SKIN CONTACT W/ BAG CONTENTS.AVOID BREATHING DUST.OPEN VAPOR BAGS IN WELL VENT AREA,ALLOW VAPORS TO ESCAPE BEFORE FURTHER HANDLING.MINIMIZE EXPOS W/ GOOD HYGIENE PRACTICES.

Fire and Explosion Hazard Information

Flash Point Method:
N/P 5

Flash Point:

Flash Point Text:
N/A

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
DELUGE WITH WATER.ALL MATERIAL WILL PROBABLY BE CONSUMED BEFORE FIRE EXTINGUISHED UNLESS USE LOTS OF WATER VERY QUICKLY.

Fire Fighting Procedures:
EVACUATE THE AREA.

Unusual Fire/Explosion Hazard:
EASILY IGNITED,HIGHLY COMBUSTIBLE EXPLOSIVE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

M.P/F.P Text:
NOT KNOWN

Decomp Temp:

Decomp Text:
NOT KNOWN

Vapor Pres:
NOT KNOWN

Vapor Density:
NOT KNOWN

Volatile Org Content %:

Spec Gravity:
SEE SUPP DATA

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT KNOWN

Solubility in Water:
NEGLIGIBLE

Appearance and Odor:
SEWN CLOTH BAGS CONTAINING PROPELLANT.

Percent Volatiles by Volume:
NEGLIG

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
STABLE UNDER NORMAL CONDITIONS.

Materials To Avoid:
ACIDS AND BASES.

Hazardous Decomposition Products:
COMBUSTION:CO*2,CO,NITROGEN OXIDES,AMMONIA.POSS LEAD FUMES/OXIDES,METHANE,ALDEHYDES,CARBOXYLIC ACIDS HYDROGEN CYANIDE. 7

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR.

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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