

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-637/637-01-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

637-01-4

**Code:**

M

**RTECS:****Code:**

X

**Name:**

N,N,N',N'-TETRAMETHYL-P-PHENYLENEDIAMINE DIHYDROC

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

N/K

**Code:**

M N/P

**ACGIH STEL:**

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

**Code:**

1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**

OSHA APPROVED RESPIRATOR.

**Ventilation:**

MECHANICAL EXHAUST RECOMMENDED

**Protective Gloves:**

REQUIRED

**Eye Protection:**

SAFETY GLASSES

**Other Protective Equipment:**

Equipment N/K

**Work Hygienic Practices:**

N/K

**Supplemental Safety and Health:**

THE CONCENTRATION OF THE PRODUCT IS <750 UG/SWAB. PHYSICAL DATA CONT'D: MELTING POINT: 431.6-435.2F.

## Health Hazards Data

**LD50/LC50 Mixture:**

N/P

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

HARMFUL BY INHALATION, INGESTION/ABSORPTION THROUGH THE SKIN. THE CHEMICAL MAY CAUSE LOCAL IRRITATION IF ALLOWED TO CONTACT SKIN. IRRITATION MAY RESULT IF AFFECTED SKIN IS ALLOWED TO CONTACT THE EYES/ MUCOUS MEMBRANES OF THE NOSE/MOUTH.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

MAY BE HARMFUL BY INHALATION, INGESTION/ABSORPTION THROUGH THE SKIN. THE CHEMICAL MAY CAUSE LOCAL IRRITATION IF ALLOWED TO CONTACT SKIN. IRRITATION MAY RESULT IF AFFECTED SKIN IS ALLOWED TO CONTACT THE EYES/ MUCOUS MEMBRANES OF THE NOSE/MOUTH.

**Medical Cond Aggravated By Exposure:**

N/K

**First Aid:**

MAY BE HARMFUL IF INGESTED, INHALED/ABSORBED THROUGH SKIN. WASH CONTACTED AREA W/WATER FOR 15 MINS. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**

AVOID CONTACT W/MATERIAL. CLEAN UP & PLACE ALL WASTE IN A BAG FOR DISPOSAL. VENTILATE AREA.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

MIX MATERIAL W/A COMBUSTIBLE SOLVENT & INCINERATE IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER IAW/FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**

THIS MATERIAL IS FOR IN VITRO DIAGNOSTIC USE ONLY. IT IS NOT INTENDED/FOR FOOD, DRUG, HOUSEHOLD, AGRICULTURAL/COSMETIC USE. AVOID SKIN CONTACT.

**Other Precautions:**

ALL MATERIAL SHOULD BE HANDLED ONLY BY TECHNICALLY QUALIFIED INDIVIDUALS EXPERIENCED IN WORKING W/POTENTIALLY HAZARDOUS CHEMICALS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:****Flash Point Text:**

N/K

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

WATER SPRAY, CO<sub>2</sub>, DRY CHEMICAL POWDER

**Fire Fighting Procedures:**

WEAR PROTECTIVE EQUIPMENT.

**Unusual Fire/Explosion Hazard:**

NONE

## Physical/Chemical Properties

**HCC:****NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

N/K

**Melt/Freeze Pt.:**

N/K

**Decomp Temp:**

N/K

**Decomp Text:**

N/K

**Vapor Pres:**

N/K

**Vapor Density:**

N/K

**Volatile Org Content %:**

N/A

**Spec Gravity:**

N/K

**VOC Pounds/Gallon:**

N/A

**PH:**

N/K

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

N/K

**Appearance and Odor:**

APPEARANCE DRIED ON A COTTON SWAB W/WHITE TO PALE GRAY-BLUE SWAB

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

N/K

**Reactivity Data****Stability Indicator:**

YES

**Stability Condition To Avoid:**

N/K

**Materials To Avoid:**

STRONG OXIDIZING AGENTS & STRONG BASES.

**Hazardous Decomposition Products:**

CO, CO<sub>2</sub>, NITROGEN OXIDES, HYDROGEN CHLORIDE.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/K

## Toxicological Information

**Information:****MSDS Transport Information****Information:****Regulatory Information****Other Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:****Information:**