

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-615/615-28-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

615-28-1

Code:

M

RTECS:

ST0175000

Code:

M

Name:

O-PHENYLENEDIAMINE, DIHYDROCHLORIDE

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

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

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE, MUST BE BASED ON THE SPECIFIC OPERATION, MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR & MUST BE JOIN TLY APPROVED BY NIOSH/MSHA.

Ventilation:

LOCAL EXHAUST VENTILATION. EQUIPMENT SHOULD BE EXPLOSION PROOF IF CONCENTRATIONS OF DUST/VAPOR/FUMES ARE PRESENT

Protective Gloves:

APPROPRIATE PROTECTIVE

Eye Protection:

SPLASH PROOF

Other Protective Equipment:

Equipment DUST RESISTANT SAFETY GOGGLES, EYE WASH, IMPERVIOUS CLOTHING & EQUIPMENT

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

APPEARANCE CONT'D: W/AN IRRITATING ODOR. FIRST AID CONT'D: NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY & SUPPORTIVELY. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

NO

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION: KIDNEY DAMAGE. SKIN: IRRITATION, ALLERGIC REACTION, BURNS. EYES: IRRITATION, BURNS, CONJUNCTIVITIS. POISONING MAY AFFECT LIVER, LUNGS, KIDNEYS & BLOOD.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

IRRITATION, BURNS, BLUISH SKIN COLOR

Medical Cond Aggravated By Exposure:

N/K

First Aid:

INHALATION: REMOVE TO FRESH AIR IMMEDIATELY. GIVE CPR IF NEEDED. KEEP WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. SKIN: WASH W/SOAP/MILD DETERGENT & LARGE AMOUNTS OF WATER FOR 15-20 MINS. EYES: WASH IMMEDIATELY W/LARGE AMOUNTS OF WATER/NORMAL SALINE FOR 15-20 MINS. INGESTION: IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO HELP PREVENT ASPIRATION. (SEE SUPP)

Spill Release Procedures:

SWEEP UP & PLACE IN SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION/LATER DISPOSAL. DON'T FLUSH MATERIAL INTO SEWER. KEEP UNNECESSARY PEOPLE AWAY.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE & HANDLE UNDER ARGON; AT ROOM TEMP & IN A COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED. PROTECT FROM EXPOSURE TO AIR/LIGHT.

Other Precautions:

STORE AWAY FROM INCOMPATIBLE SUBSTANCES. 2

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/P

Flash Point Text:

N/K

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

DRY CHEMICAL, CO₂, WATER SPRAY/REGULAR FOAM. LARGER: USE WATER SPRAY, FOG/REGULAR FOAM

Fire Fighting Procedures:

USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING HAZARDOUS VAPORS, KEEP UPWIND. MOVE CONTAINERS W/OUT RISK.

Unusual Fire/Explosion Hazard:

DON'T SCATTER SPILLED MATERIAL W/HIGH-PRESSURE WATER STREAMS. DIKE FIRE-CONTROL WATER FOR LATER DISPOSAL.

Physical/Chemical Properties

HCC:**NRCC/State Lic No:**

3

Net Prop WT For Ammo:**Boiling Point:**

N/P

B.P. Text:

N/K

Melt/Freeze Pt:

495-498F

495-498F

Decomp Temp:

495-498F

495-498F

Vapor Pres:

0

Vapor Density:

N/K

Volatile Org Content %:

N/A

Spec Gravity:

1

PH: N/K**VOC Grams/Liter:**

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

(BU AC -1): 0

Solubility in Water:

N/K

Appearance and Odor:

COLORLESS/CLEAR/WHITE-1 AN-SLIGHTLY REDDISH/VIOLET CRYSTALLINE SOLID/NEEDLES(SUP)

Percent Volatiles by Volume:

0

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

MAY BURN BUT DOESN'T IGNITE READILY. EXCESSIVE HEAT, SPARKS, OPEN FLAMES

Materials To Avoid:

TOXIC & CORROSIVE FUMES, HYDROGEN CHLORIDE, OXIDES OF CARBON & NITROGEN.

Hazardous Decomposition Products:

TOXIC & CORROSIVE FUMES, HYDROGEN CHLORIDE, OXIDES OF CARBON & NITROGEN.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information N/P:**Information N/P:**

MSDS Transport Information

Information N/P:**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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