

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

ACGIHSTEL:
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 JOINTLY 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

LD50LC50Mixture:
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, CONJUNCTIVITIES. 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 OFWATER/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:

Flash Point Text:
N/K

Autoignition Temp:

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:

NRC/State LIC No:
3

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

M.P/F.P Text:
495-498F

Decomp Temp:

Decomp Text:
495-498F

Vapor Pres:
0

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
1

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
(BU AC =1): 0

Solubility in Water:
N/K

Appearance and Odor:
COLORLESS/CLEAR/WHITE-TAN-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:
STRONG OXIDIZERS

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

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