

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-615/615-05-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

615-05-4

**Code:**

M

**RTECS:**

BZ8580500

**Code:**

M

**Name:**

2,4-DIAMINOANISOLE (SARA 313) ORAL RAT LD50 347MG

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

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

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:****Code:**

## Control Measures

**Respiratory Protection:**

LOCAL EXHAUST VENTILATION ADEQUATE UNLESS MIXING W/ALCOHOLS AND HEATING. (SCBA RECOMMENDED)

**Ventilation:**

LOCAL EXHAUST VENTILATION AT THE POINT OF USE.

**Protective Gloves:**

BUTYL RUBBER,PVC. EXTENSIVE-SILVER \*\*

**Eye Protection:**

SAFETY GLASSES W/SIDE SHIELD;CHEM GOGGLE

**Other Protective Equipment:**

Equipment AN EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

**Work Hygienic Practices:**

NK

**Supplemental Safety and Health:**

\*FAILURE TO OBSERVE PRECAUTIONS IN MIXING/HEATING MAY RESULT IN EXCESSIVE HEAT BUILD-UP CAUSING AN EXOTHERM. THE EXOTHERM HAS POTENTIAL FOR RELEASE OF TOXIC GASES.\*\*SHIELD/4H GLOVES RECOMMENDED.

## Health Hazards Data

**LD50LC50Mixture:**

NK

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

YES

**OSHA:**

NO 2

**Health Hazards Acute And Chronic:**

ACUTE: POSSIBLE BURNS TO EYES/SKIN. CHRONIC: BREATHING VAPORS MAY CAUSE DELAYED/SERIOUS INJURY TO LIVER/SPLEEN.

**Explanation Of Carcinogenicity:**

M-PHENYLENE DIAMINE (IARC GRP 3)(NONCARCINOGENIC) 2,4 DIAMINOANISOLE (IARC GRP 2)(POSSIBLE HUMAN CARCINOGEN)

**Signs And Symptoms Of Overexposure:**

POSSIBLE BURNS TO EYES/SKIN. IRRITATION TO UPPER RESPIRATORY TRACT. SKIN WILL TURN YELLOW/BROWN AT SITE OF CONTACT WITH MIXTURE.

**Medical Cond Aggravated By Exposure:**

SKIN SENSITIZATION.

**First Aid:**

EYE:FLUSH W/LOTS WATER FOR 15MINS. GET MED ATTN. SKIN:WASH THOROUGHLY W/SOAP & WATER. IF IRRIT PERSISTS GET MED ATTN. INHAL:REMOVE VICTIM TO FRESH AIR. IF SYMPTOMS PERSIST GET MED ATTN. INGEST:DRINK P LENTY OF WATER. GET MED ATTN IMMED.

**Spill Release Procedures:**

WEAR PROTECTIVE CLOTHING, GLOVES & SAFETY GLASSES. ABSORB SPILL W/ABSORBANT MATERIAL (SAND, VERMICULITE). SCRAPE UP OR SHOVEL INTO DOT APPROVED WASTE CONTAINERS.

**Neutralizing Agent:**

NOT APPLICABLE.

**Waste Disposal Methods:**

NOT RCRA HAZ WASTE.HOWEVER, INCINERATION IN EPA APPROVED WASTE INCINERATOR IS PREFERRED.CHEM ADDITIONS/PROCESSING/OTHERWISE ALTERING MATL MAY MAKE WASTE MANAGEMENT INFO HEREIN INCOMPLETE/INACCURATE/IN APPROPRIATE.CONSULT STATE/LOC REGULATIONS.

**Handling And Storage Precautions:**

THIS PRODUCT MAY BE STORED @ ROOM TEMP FOR UP TO 12 MONTHS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

**Other Precautions:**

FOLLOW CURING SCHEDULE RATIOS AS RECOMMENDED IN PRODUCT LITERATURE. EMPTY CONTAINERS CONTAIN PRODUCT RESIDUE, TREAT AS FULL. DON'T CUT/GRIND/WELD/DRILL ON/NEAR CONTAINER.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

NOT EST.

**Flash Point Text:**

NOT EST.

**Autoignition Temp:**

NE

**Lower Limits:**

NOT EST.

**Upper Limits:**

NOT EST.

**Extinguishing Media:**

DRY CHEMICAL, OR HALON FIRE EXTINGUISHER, OR WATER SPRAY, FOAM OR FOG.

**Fire Fighting Procedures:**

WEAR SCBA & FULL PROTECTIVE CLOTHING, SUCH AS TURN-OUT GEAR. CARTRIDGE RESP DO NOT PROVIDE ADEQUATE PROTECTION FOR FIREFIGHTERS OR EXOTHERM MITIGATION. 3

**Unusual Fire/Explosion Hazard:**

MAY LIBERATE LARGE QUANTITIES OF DENSE FOUL-SMELLING SMOKE WHICH MAY CONTAIN UNIDENTIFIED TOXIC GASES.

## Physical/Chemical Properties

**HCC:****NRC/State Lic No:**

NK

**Net Prop WT For Ammo:**

NE

**Boiling Point:**

NOT EST.

**B.P. Text:**

NOT EST.

**Melt/Freeze Pt:**

NE

**M.P./F.P Text:**

NE

**Decomp Temp:**

NE

**Decomp Text:**

NOT EST.

**Vapor Pres:**

NOT EST.

**Vapor Density:**

NOT EST.

**Volatile Org Content %:**

NE

**Spec Gravity:**

1.15

**VOC Pounds/Gallon:**

NE

**PH: NE**

VOC Grams/Liter:

PARTIAL

**Percent Volatiles by Volume:**

NK

**Corrosion Rate:**

NA

**Reactivity Data**

3-6 BRK

**Evaporation Rate & Reference:**

NE

**Solubility in Water:**

PARTIAL

**Appearance and Odor:**

REDISH BLACK LIQUID

**Percent Volatiles by Volume:**

NK

**Autoignition Temp Text:**

NE

**Lower Limits:**

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**Corrosion**