

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-86/86-30-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

86-30-6

**Code:**

M

**RTECS:**

JJ9800000

**Code:**

M

**Name:**

N-NITROSODIPHENYLAMINE (SARA III)

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

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

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

RESPIRATORY PROTECTION NOT NORMALLY NEEDED. IF SIGNIFICANT DUSTING OCCURS, WEAR A NIOSH/MSHA APPROVED DUST RESPIRATOR WITH HIGH EFFICIENCY FILTERS.

**Ventilation:**

LOCAL EXHAUST VENTILATION IS RECOMMENDED IF SIGNIFICANT DUSTING OCCURS. OTHERWISE, USE GENERAL EXHAUST VENTILATION.

**Protective Gloves:**

IMPERMEABLE GLOVES

**Eye Protection:**

SAFETY GLASSES WITH SIDE SHIELDS.

**Other Protective Equipment:**

Equipment IMPERVIOUS BOOT, APRON, PROTECTIVE SUIT AND HARD HAT.

**Work Hygienic Practices:**

UPON CONTACT WITH SKIN OR EYES, WASH OFF WITH WATER. REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND LAUNDRY BEFORE REUSE.

**Supplemental Safety and Health:**

CONTRACT DAAA09-91-C-0494. BULK DENSITY: 0.5-1 G/CC. FIRE FIGHT PROC: OR EXPLOSIVE RESISTANT BUNKER. SPILL PROC: OVERFLOW DAM W/ FILTRATION CAPABILITIES TO RETAIN MATL. DIVERT WATER FLOW OR S IF POSSIBLE. GATHER WET MATL. KEEP MATL DAMP. OTHER PREC: SHELF LIFE INDEFINITE WHEN KEPT UNDER 100F.

## Health Hazards Data

**LD50/LC50 Mixture:**

NOT KNOWN

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

DIPHENYLAMINE MAY CAUSE KIDNEY DAMAGE. THE LOW CONCENTRATION OF THIS MATERIAL IN, AND NATURE OF, THE PRODUCT WOULD PRECLUDE DEVELOPMENT OF SUCH AN EFFECT.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

EYES: IRRITATION WITH INFLAMMATION OF CONJUNCTIVA. SKIN: IRRITATION, INGESTION: IRRITATION TO GI TRACT. INHALATION: IRRITATION TO NOSE, MOUTH, THROAT, LUNGS. NITROGLYCERIN MAY CAUSE DILATION OF BLOOD VESSELS W/ DROP IN BLOOD PRESSURE, HEADACHE, CYCLOSIS, MENTAL CONFUSION. NAUSEA, VOMITING & ABDOMINAL PAIN MAY ALSO OCCUR.

**Medical Cond Aggravated By Exposure:**

ANEMIA AND CARDIOVASCULAR DISEASE.

**First Aid:**

EYES: IMMEDIATELY FLUSH W/ LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN. IF IRRITATION DEVELOPS, CALL MD. SKIN: IMMEDIATELY FLUSH W/ WATER FOR 15 MIN. CALL MD. INGESTION: IMMEDIATELY DRINK LARGE QUANTITIES OF WATER. INDUCE VOMITING. CALL MD. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS OR IF HAVING CONVULSIONS. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. KEEP PATIENT WARM & AT REST. CALL MD. IF UNCONSCIOUS, ARTIFICIAL RESPIRATION SHOULD BE GIVEN IMMEDIATELY.

**Spill Release Procedures:**

PROD MAY PRESENT EXPLOSION HAZARD. REMOVE SOURCES OF IGNITION. SPILL & NOTIFY APPROPRIATE PERSONNEL. WET SPILL MATERIAL PRIOR TO CLEAN UP. USE NON-SPARKING/PLASTIC UTENSILS. WEAR FLAME RETARDANT CLOTHING & SELF-CONTAINED BREATHING APPARATUS. WATER RELEASE: CREATE (SEE SUPPLY).

**Neutralizing Agent:**

NOT KNOWN

**Waste Disposal Methods:**

DISP MUST BE IN ACCORDANCE WITH FEDERAL, STATE, & LOCAL REGULATIONS. COORDINATE WITH SUPPORTING INSTALLATION/MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL (IF APPLICABLE). HAZ WASTE NO. D003. CAN BE DISPOSED BY CONTROLLED OPEN BURNING IN SMALL QUANTITIES. SPREAD MATERIAL IN THIN LAYERS & IGNITE FROM REMOTE LOCATION.

**Handling And Storage Precautions:**

STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM ALL SOURCES OF IGNITION. DO NOT STORE AT TEMPERATURES ABOVE 38°C. SUBJECT TO MECHANICAL SHOCK, EXPOSE TO DIRECT LIGHT.

**Other Precautions:**

STORE IN ORIGINAL SHIPPING CONTAINERS FOR EXPLOSION VENTING PURPOSES. CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. DO NOT TAKE INTERNALLY. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. (SEE SUPPLY DATA)

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

NOT APPLICABLE

**Flash Point Text:**

NOT APPLICABLE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/A

**Upper Limits:**

N/A

**Extinguishing Media:**

USE EXTINGUISHING MEDIA COMPATIBLE FOR SURROUNDING PRODUCTS. IF MATERIAL ITSELF IS ON FIRE, DELUGE WITH WATER.

**Fire Fighting Procedures:**

IN CASE OF FIRE, USE NORMAL FIRE FIGHTING EQUIPMENT. RESPONSE TO MATERIAL REQUIRE USE OF SELF-CONTAINED BREATHING APPARATUS. FIGHT FIRES FROM REMOTE LOCATION (SEE SUPPLY).

**Unusual Fire/Explosion Hazard:**

CAN IGNITE DUE TO IMPACT OR STATIC DISCHARGE.

## Physical/Chemical Properties

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

N/R

**Net Prop WT For Ammo:**

10

**Boiling Point:**

>500°C

**B.P. Text:**

N/A

**Melt/Freeze Pt:**

N/A

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

NOT KNOWN

**Decomp Temp:**

N/A

**Decomp Text:**

>122°F, >50°C

**Vapor Pres:**

<1 MMHG

**Vapor Density:**

N/A

**Volatile Org Content %:**

N/A

**Spec Gravity:**

1.2-1.6

**VOC Pounds/Gallon:**

N/A

**PH:**

N/A

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

NEGIGIBLE

**Solubility in Water:**

NEGIGIBLE

**Appearance and Odor:**

ODORLESS, GRANULAR, SOLID.

**Percent Volatiles by Volume:**

<2%

**Corrosion Rate:**

N/K

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

TEMP ABOVE 120°C, IMPACT, STATIC DISCHARGE, DIRECT SUNLIGHT, OPEN FLAME.

**Materials To Avoid:**

STRONG ACIDS, BASES, AMINES, OXIDIZERS.

**Hazardous Decomposition Products:**

CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

WILL NOT OCCUR.

## Toxicological 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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