## MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Click <a href="http://www.lookchem.com/cas-98/98-95-3.html">http://www.lookchem.com/cas-98/98-95-3.html</a> for suppliers of this product.

Composition/Information on Ingredient

Cas: 98-95-3 Code: Μ

**RTECS:** DA6475000

Code: Μ Name: NITROBENZENE (SARA III) **Other REC Limits:** NONE RECOMMENDED

**OSHA PEL:** S, 1 PPM Code:

**OSHA STEL:** 

**ACGIH TLV:** 

**ACGIHSTEL:** 

**Ventilation:** 

**Protective Gloves:** 

**Eve Protection:** 

REUSE.

VITON, NEOPRENE, PVA

**Other Protective Equipment:** 

**Work Hygienic Practices:** 

LD50LC50Mixture:

YES

Skin: YES

IARC: NO

OSHA: NO

SUPPLEMENTAL....

First Aid:

**EQUIPMENT!** 

**Neutralizing Agent:** 

**Spill Release Procedures:** 

**Waste Disposal Methods:** 

INCOMPATIBLE MATERIALS.

Other Precautions:

**Flash Point Method:** 

CC

Flash Point:

109F,43C

900F

1.8

HCC: Т3

N/R

NRC/State LIC No:

**Boiling Point:** 

Melt/Freeze Pt:

M.P/F.P Text: 41.0F,5.0C

**Decomp Temp:** 

**Decomp Text:** UNKNOWN

**Spec Gravity:** 

**VOC Pounds/Gallon:** 

1.2

PH: N/K

UNKNOWN

SLIGHT

N/K

YES

NO

Solubility in Water:

**Corrosion Rate:** 

**Stability Indicator:** 

**Materials To Avoid:** 

TRICHLORIDE...

Information:N/P

Information:N/P

UNKNOWN

Appearance and Odor:

**Percent Volatiles by Volume:** 

Reactivity Data

**Stability Condition To Avoid:** 

**Hazardous Decomposition Products:** 

**Hazardous Polymerization Indicator:** 

**Conditions To Avoid Polymerization:** NONE SPECIFIED BY MANUFACTURER.

**Toxicological Information** 

Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

Other Information

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Other Information:N/P

**MSDS Transport Information** 

**B.P. Text:** 412F,211C

**Net Prop WT For Ammo:** 

**Lower Limits:** 

**Upper Limits:** 

**Extinguishing Media:** 

Fire Fighting Procedures:

**Unusual Fire/Explosion Hazard:** 

AREA IF POSSIBLE. DIKE FIRE CONTROL WATER.

DISTANT SOURCE OF IGNITION AND FLASHBACK.

Physical/Chemical Properties

**Flash Point Text:** 

**Autoignition Temp:** 

**Autoignition Temp Text:** 

NONE SPECIFIED BY MANUFACTURER.

UNUSED/UNCONTAMINATED PRODUCT. 2

FORMS OF PLASTICS, RUBBER AND COATINGS.

Fire and Explosion Hazard Information

DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR STANDARD FOAM.

**Handling And Storage Precautions:** 

Ingestion:

STATION &SAFETY SHOWER.

**Supplemental Safety and Health:** 

Health Hazards Data

ORAL LD50 (RAT) IS 489 MG/KG

**Carcinogenicity Inds - NTP:** 

**Health Hazards Acute And Chronic:** 

**Explanation Of Carcinogenicity:** 

**Signs And Symptions Of Overexposure:** 

**Medical Cond Aggravated By Exposure:** 

DISCOLORATION.SKIN: REDNESS, SWELLING, DISCOMFORT.

FLUSH WITH LOTS OF WATER FOR 15-20 MINUTES, HOLD OPEN LIDS.

**Route Of Entry Inds - Inhalation:** 

**Control Measures** 

MANUFACTURER'S RECO MMENDATIONS.

SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

**Respiratory Protection:** 

S, 1 PPM; 9394

Code:

Code: Μ

NΡ Code:

Μ

IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED

PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Equipment APPROPRIATE IMPERVIOUS CLOTHING AND EQUIPMENT TO PREVENT SKIN CONTACT. DLA-HMIS: EYE WASH

WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE

3 CHRONIC HEALTH CONT'D:MAY CAUSE CNS EFFECTS, DAMAGE LIVER/KIDNEY/BONE MARROW, SPLEEN, & BLADDER.

EFFECTS, METHEMOGLOBINEMIA, KIDNEY/LIVER/SPLEEN/BLADDER DAMAGE. INHALATION MAY CAUSE RESPIRATORY IRRITATION. SKIN & EYE C ONTACT MAY CAUSE IRRITATION.CHRONIC: PROLONGED/REPEATED EXPOSURE MAY CAUSE CONJUNCTIVITIS, DERMATITIS, SEE

NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

THROAT, HYPOTENSION, CONFUSION, DYSPNEA, TACHYCARDIA, TINNITUS, ATAXIA, GENERAL WEAKNESS, VISUAL DIST

INCREASED RISK FROM EXPOSURE. CONSUMPTION OF ALCOHOLIC BEVERAGES MAY ENHANCE TOXIC EFFECTS.

INHALED/SKIN ABSORPTION/INGESTED: CYANOSIS OF LIPS/NOSE/EARLOBES, SEVERE HEADACHE, NAUSEA, VOMITING, DRYNESS OF

PREGNANT WOMEN AND PERSONS WITH GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY OR BLOOD DISORDERS MAY BE AT

IN ALL CASES GET IMMEDIATE MEDICAL ATTENTION. INGESTED-TREAT SYMPTOMATICALLY & SUPPORTIVELY. REMOVE BY GASTRIC

DO NOT TOUCH SPILLED MATERIAL. S LEAK IF NO RISK. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE IN CONTANER FOR LATER DISPOSAL. DLA-HMIS: WEAR PROPER PRO TECTIVE CLOTHING AND

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. SARA SECTION 302 TPQ=10000.SARA SECTION 304 RQ=1000.SUBJECT TO SARA 313 ANNNUAL REPORT.DLA-HMIS: EPA/RCRA WASTE NUMBER U169 (NITROBE NZENE) MAY APPLY TO

PROTECT AGAINST DAMAGE, FREEZING AND INTENSE HEAT. STORE IN A COOL, DRY PLACE AWAY FROM SOURCES OF IGNITION AND

MAY BURN BUT DOES NOT IGNITE READILY. CONTAINERS MAY EXPLODE IN HEAT OF FIRE. LIQUID NITROBENZENE WILL ATTACK SOME

EXTINGUISH ONLY IF FLOW CAN BE SPED. COOL CONTAINERS WITH FLOODING AMOUNTS OF WATER. MOVE CONTAINERS FROM FIRE

MODERATE FIRE AND EXPLOSION HAZARD WHEN EXPOSED TO HEAT AND FLAME. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO

LAVAGE OR EMESIS USING ACTIVATED CHARCOAL.INHALED-REMOVE TO FRESH AIR.IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.IF BREATHING DIFFICULT, GIVE OXYGEN.SKIN-REMOVE CONTAMINATED CLOTHES/SHOES.FLUSH WITH LOTS OF WATER.EYES-IMMEDIATELY

MEDICAL NOTE: ANTIDOTE-IF METHEMOGLOBINEMIA IS SEVERE; GIVE METHYLENE BLUE, 1% SOLUTION, 0.1 ML/KG

[1MG/KG]; SLOWLY, INTRAVENOUSLY TO REDUCE METHEMOGLOBINEMIA TO NORMAL HEMOGLOBIN.

ACUTE: INHALATION/SKIN ABSORPTION/INGESTION MAY CAUSE CNS/PERIPHERAL NERVOUS SYSTEM

URBANCES, DROWSINESS, EXCITEMENT. EYES: IRRITATION, REDNESS, TEARING, BROWN

RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND

**Vapor Pres:** 0.26 MM HG Vapor Density: 4.25 **Volatile Org Content %:** 

**VOC Grams/Liter:** Viscosity: N/R **Evaporation Rate & Reference:** 

COLORLESS OR PALE YELLOW TO BROWN OILY LIQUID; STRONG ODOR OF BITTER ALMONDS.

DLA-HMIS: AVOID EXPOSURE TO SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS.

THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF CARBON AND NITROGEN.

STRONG ALKALIS, POTASSIUM, PLASTICS/RUBBER/COATINGS, NITRIC ACID, SULFURIC ACID, TIN/ZINC+ CAUSTICS, ALUMINUM

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