

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-386/38641-94-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
38641-94-0

**Code:**  
M

**RTECS:**  
MC1080000

**Code:**  
M

**Name:**  
N-(PHOSPHNOMETHYL)GLYCINE, MONOISOPROPYLAMINE SAL

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
IN THE EVENT OF ABNORMAL EXPOSURE CONDITIONS, WEAR NIOSH APPROVED EQUIPMENT . IN SITUATIONS WHERE AN AIR PURIFYING RESPIRATOR IS APPROPRIATE TO BE USED, USE OF A FULL FACE RESPIRATOR EQUIPPED WITH PURIFYING ELEMENTS FOR PROTECTION AGAINST ORGANIC VAPOR & DUST/MIST APPROVED FOR PESTICIDES IS RECOMMENDED. USE CARTRIDGES WITH NIOSH/MSHA APPROVAL NUMBER TC-23C.

**Ventilation:**  
NO SPECIAL PRECAUTIONS ARE RECOMMENDED.

**Protective Gloves:**  
WEAR APPROPRIATE GLOVE.

**Eye Protection:**  
SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

**Other Protective Equipment:**  
Equipment EYE WASH STATION, EMERGENCY SHOWER, APPROPRIATE LABORATORY COAT TO COVER EXPOSED SKIN

**Work Hygienic Practices:**  
DO NOT PERMIT EATING, DRINKING OR SMOKING NEAR THIS MATERIAL.

**Supplemental Safety and Health:**  
EPA REGISTRATION NUMBER: 524-475.

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL, RAT) IS >5000 MG/KG.

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
TARGET ORGANS:NOT SPECIFIED BY MANUFACTURER. EYES: MAY CAUSE PAIN. SKIN: SLIGHTLY IRRITATING. INGESTION: SLIGHTLY TOXIC. MAY CAUSE GASTROINTESTINAL TRACT IRRITATION, HYPOTENSION & LUNG EDEMA. INHAL ATION: NO MORE THAN SLIGHTLY TOXIC IF INHALED. CHRONIC- UNKNOWN.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
EYES: PAIN, REDNESS AND TEARING. SKIN: NO MORE THAN SLIGHTLY IRRITATING. INGESTION: SIMILAR FORMULATIONS HAS BEEN REPORTED TO PRODUCE IRRITATION OF THE MOUTH, NAUSEA, VOMITING AND 2 DIARRHEA.

**Medical Cond Aggravated By Exposure:**  
UNKNOWN

**First Aid:**  
EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. NOTE: FOR ADDITIONAL HUMAN EMERGENCY FIRST AID OR TREATMENT GUIDANCE, CALL COLLECT, ANYTIME, DAY OR NIGHT (314) 694-400 0.

**Spill Release Procedures:**  
SM SPILLS: FOR < 1 GALLON SOAK UP WITH TOWEL OR OTHER ABSORBENT MATERIAL & DISCARD IN THE TRASH. CLEAN THE SPILL AREA WITH SOAP & WATER & RINSE THE AREA. LG SPILL: CONTAIN OR DIKE & THEN ABSORB WITH ATTAPULGITE, BENTONITE OR OTHER ABSORBENT CLAYS. COLLECT THE CONTAMINATED ABSORBENT, PLACE IN A METAL DRUM & DISPOSE OF IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED UNDER DISPOSAL SECTION.

**Neutralizing Agent:**  
NOT RELEVANT

**Waste Disposal Methods:**  
WASTES RESULTING FROM THE USE OF THIS PRODUCT THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDE DISPOSAL OR IN ACCORDANCE WITH APPLICABLE FEDERAL , STATE OR LOCAL PROCEDURES. EMPTIED CONTAINERS RETAIN VAPOR & PRODUCT RESIDUE. OBSERVE ALL LABELED SAFEGUARDS UNTIL CONTAINER IS CLEANED.

**Handling And Storage Precautions:**  
DO NOT CONTAMINATE WATER, FOODSTUFFS, FEED OR SEED BY STORAGE OR DISPOSAL. AVOID CONTACT WITH EYES OR CLOTHING. REMOVE CLOTHING IMMEDIATELY IF PESTICIDE GETS INSIDE. DO NOT CONTAMINATE WATER WHEN DISP OSING OF EQUIPMENT WASHWATERS.

**Other Precautions:**  
AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING VAPORS/MISTS. WASH THOROUGHLY AFTER HANDLING MATERIAL AND BEFORE EATING OR DRINKING. DO NOT INGEST.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
PMCC

**Flash Point:**  
>93.3C, 200.F

**Flash Point Text:**

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
UNKNOWN

**Upper Limits:**  
UNKNOWN

**Extinguishing Media:**  
WATER SPRAY, CARBON DIOXIDE, FOAM, DRY CHEMICAL OR ANY CLASS B FIRE EXTINGUISHING AGENT.

**Fire Fighting Procedures:**  
WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. EQUIPEMENT SHOULD BE THOROUGHLY CLEANED AFTER USE.

**Unusual Fire/Explosion Hazard:**  
NONE

## Physical/Chemical Properties

**HCC:**  
T5

**NRC/State LIC No:**  
NOT RELEVANT

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
UNKNOWN

**Melt /Freeze Pt:**

**M,P/F,P Text:**  
UNKNOWN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
UNKNOWN

**Vapor Density:**  
UNKNOWN

**Volatile Org Content %:**

**Spec Gravity:**  
1.17

**VOC Pounds/Gallon:**

**PH:** 4.99 (1% SOL'N)

**VOC Grams/Liter:**

**Viscosity:**  
UNKNOWN

**Evaporation Rate & Reference:**  
UNKNOWN

**Solubility in Water:**  
UNKNOWN

**Appearance and Odor:**  
CLEAR, VISCOUS, AMBER COLORED SOLUTION - PRACTICALLY ODORLESS TO AMINE ODOR

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
STABLE FOR AT LEAST 5 YEARS UNDER NORMAL CONDITIONS OF WAREHOUSE. 4

**Materials To Avoid:**  
BASIC MATERIALS, GALVANIZED OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS

**Hazardous Decomposition Products:**  
NONE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT

## 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

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

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

**LookChem**  
Look for Chemicals  
[www.lookchem.com](http://www.lookchem.com)