




SAFETY DATA SHEET (SDS)

Phenylhydrazine

01. Product and Company Identification

Product Identifier:	
Trade Name:	Phenylhydrazine, 40mg
Chemical Name:	Phenylhydrazine Hydrochloride
Catalog Number:	35062726
Part of Kits:	35062611, 35060944, 35063030
Use of chemical:	Laboratory chemical
Identification of Manufacturer:	
Manufacturer/Supplier:	Biochemical Diagnostics, Inc. 180 Heartland Blvd., Edgewood, NY 11717 Phone: (631) 595-9200 Fax: (631) 595-9204
Emergency telephone number:	(800) 255-3924

02. Hazard(s) Identification

Classification of substance or mixture:	
Acute toxicity, Inhalation (Category 3) Acute toxicity, Dermal (Category 3) Skin irritation (Category 2) Eye irritation (Category 2A) Skin sensitization (Category 1) Germ cell mutagenicity (Category 2) Carcinogenicity (Category 1B) Specific target organ toxicity - repeated exposure (Category 1) Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1)	
Label elements:	
Hazard pictograms	  
	Health hazard Toxic Environmental
Signal word: Danger	
Hazard statements:	
H311 + H331 Toxic in contact with skin or if inhaled H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H341 Suspected of causing genetic defects. H350 May cause cancer. H372 Causes damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.	
Precautionary statements:	
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	

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Classification system:

NFPA ratings (scale 0 - 4)



Health = 2
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 2
Fire = 0
Reactivity = 0

03. Composition/information on ingredients

Chemical Characterization: Compound

CAS No. Description : 59-88-1

Formula : C₆H₉N₂

04. First aid measures

Description of first aid measures:

Inhalation: Remove to fresh air. Consult a physician.

Ingestion: Rinse mouth with water. Seek medical attention.

Skin Contact: Remove contaminated clothing. Wash immediately with soap and water. Seek medical attention.

Eye Contact: Rinse with thoroughly with plenty of water for at least 15 minutes. Seek medical attention.

05. Firefighting measures

Extinguishing media: Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

Special Fire Fighting Procedures: Wear proper protective equipment w/Self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions- Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride gas

06. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Avoid breathing vapors, mist or gas. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions:

Prevent further leakage if safe to do. Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and remove.



Waste Disposal Method:

Dispose in accordance with state, local and federal regulations

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07. Handling and storage
Handling:
Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Conditions for safe storage, including any incompatibilities:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Further information about storage conditions: Keep receptacle tightly closed. Store in well-ventilated, cool, dry conditions. Keep container sealed and upright to prevent leakage.

08. Exposure controls/ personal protection
Exposure Controls:
Control parameters: Components with limit values that require monitoring at the workplace: Contains no substances with occupational exposure limit values.
Personal protective equipment:
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Eye Protection:  Tightly sealed safety glasses or face shield.
Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact
Protection of Hands:  Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Dispose of gloves after use.
Respiratory Protection: If the exposure limit is exceeded use NIOSH approved and tested full-face respirator that is independent of circulating air.
Ventilation: Keep vapor levels as low as possible, use adequate general or local exhaust.

09. Physical and chemical properties
Appearance: Form: Powder Color: White Crystalline
Odor: Pungent
pH: N/A
Melting Point: 250 - 254 °C (482 - 489 °F)
Boiling Point: N/A
Flash Point: N/A
Ignition temperature: N/A
Explosion limits: Lower: N/A Upper: N/A

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Vapor Pressure @ 24°C: N/A
Specific Gravity @ 20°C (68°F): N/A
Vapor Density: N/A
Percent Volatile: N/A
Evaporation Rate: N/A
Flammable Limits in air % by volume: Lel: N/A Uel: N/A
Solubility in/ Miscibility with Water@20°C: Soluble

10. Stability and reactivity

Stability: Stable

Incompatibility: May decompose on exposure to moist air or water. Avoid Bases.

Conditions to Avoid: Exposure to sunlight.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Carbon oxides and Hydrogen chloride gas may form under fire conditions. Emits highly toxic fumes of phosgene (COCl₂) when heated to decomposition.

11. Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral LD50 2,100 mg/kg (mouse)

Potential health effects:

On the skin: Toxic in contact with skin. Causes skin irritation.

On the eye: Causes eye irritation.

Inhalation: Toxic if inhaled.

Ingestion: May be harmful if swallowed.

Possible human carcinogen, may cause genetic defects.

12. Ecological information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

13. Disposal considerations

Waste treatment methods

Product:

Dispose of waste in accordance to applicable national, regional, or local regulations.

Contaminated packaging:

Disposal must be made according to official regulations.

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14. Transport Information	
UN Number:	2811
UN proper shipping name:	Toxic solids, organic, n.o.s. (Phenylhydrazinium chloride)
Transport hazard class(es):	6.1
Packing group:	III
Environmental hazards:	Harmful to aquatic life
Special precautions	None

15. Regulatory Information	
SARA 302 Components:	The following components are subject to reporting levels established by SARA Title III, Section 302: Phenylhydrazinium chloride CAS-No. 59-88-1 Revision Date 2007-07-01
SARA 313 Components:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards:	Acute Health Hazard, Chronic Health Hazard

16. Other Information	
Revision B, June 2015	

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