

MATERIAL SAFETY DATA SHEET**Product Name:** Phenylhydrazine**CAS No.:** 100-63-0**Version:** 0**1. Identification**

Product Code : 93045
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2. Hazards Identification**Hazard classification**

Carcinogenicity : Category 1 B
Germ cell mutagenicity : Category 2
Acute toxicity, Inhalation : Category 3
Acute toxicity, Dermal : Category 3
Acute toxicity, Oral : Category 3
Specific target organ toxicity - repeated exposure : Category 1
Eye irritation : Category 2
Skin irritation : Category 2
Skin sensitisation : Category 1
Acute aquatic toxicity : Category 1

Labels elements

Hazard symbol

**Signal word**

: Danger

Hazard statement

: Toxic if swallowed.
Toxic in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Toxic if inhaled.
Suspected of causing genetic defects.
May cause cancer.
Causes damage to organs through prolonged or repeated exposure.

MATERIAL SAFETY DATA SHEET**Product Name:** Phenylhydrazine**CAS No.:** 100-63-0**Version:** 0**Precautionary statement**

- Very toxic to aquatic life.
- : Obtain special instructions before use.
 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 - Avoid release to the environment.
 - Wear protective gloves/ protective clothing.
 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

- : None

3. Composition/information on ingredients

Ingredient	: Phenylhydrazine
CAS No.	: 100-63-0
Percent	: NLT 98.0%
Formula	: C ₆ H ₈ N ₂
Molecular Weight	: 108.14 g/mol

4. First Aid Measures**Description of first aid measures**

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Skin contact** : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
- Eye contact** : Flush eyes with water as a precaution.
- Swallowed** : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

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Indication of any immediate medical attention and special treatment needed Treatment : No data available

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Carbon oxides, Nitrogen oxides (NO_x)

Advice for firefighters : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for

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disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

7. Handling and storage

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Light sensitive. Store under inert gas. Air sensitive.

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
- Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
- Personal protective equipment**
- Respiratory protection : Air-purifying respirators
- Hand protection : Handle with gloves
- Eye protection : Face shield and safety glasses
- Skin and Body Protection : Complete suit protecting against chemicals

9. Physical and Chemical Properties

- Appearance** : Pale yellow coloured liquid.
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : 18 - 21 °C
- Initial boiling point and boiling range** : 238 - 241 °C
- Flash Point** : 89 °C - closed cup
- Vapor pressure** : 1.01 mmHg at 60 °C
- Vapor density** : No data available
- Relative density** : 1.098 g/mL
- Solubility in water** : No data available
- Solubility (other)** : No data available

10. Stability and Reactivity

- Reactivity** : No data available
- Chemical stability** : Stable under recommended storage conditions.
- Possibility of hazardous** : No data available

MATERIAL SAFETY DATA SHEET**Product Name:** Phenylhydrazine**CAS No.:** 100-63-0**Version:** 0**reactions**

- Conditions to avoid** : Heat, flames and sparks.
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x)

11. Toxicological Information**Information on toxicological effects**

- Acute toxicity** : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity
IARC : No data available
NTP : No data available
OSHA : No data available
Reproductive toxicity : No data available
Route of Exposure : No data available
Signs and Symptoms of Exposure : No data available

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 : No data available.

13. Disposal consideration

- Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Dispose of as unused product.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2572	PHENYLHYDRAZINE	6.1	II	NO
IMDG	2572	PHENYLHYDRAZINE	6.1	II	NO
IATA	2572	PHENYLHYDRAZINE	6.1	II	NO

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :24/09/2016****Version : 0**

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