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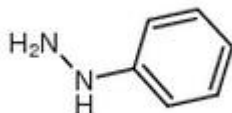
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Technical Data Sheet

Phenylhydrazine

Product Information

Product Name	Phenylhydrazine
Synonyms	1-Phenylhydrazine;Fenilidrazina;Fenylhydrazine
CAS No.	100-63-0
EINECS No.	202-873-5
Molecular formula	C ₆ H ₈ N ₂
Molecular weight	108.14
Chemical structure	



Physical Properties

Appearance	92% Phenyl hydrazine appearance: Light brown oily liquid; 95% Phenyl hydrazine appearance: Brownish red oily liquid; 99% Phenyl hydrazine appearance: Colorless to light yellow oily liquid.
Density	1.099 g/mL at 25°C (lit.)
Melting Point	-19°C
Boiling Point	238-241°C (lit.)
Flashing Point	192°F
Refractive Index	n ₂₀ /D 1.607 (lit.)
Soluble in water	145 g/L (20°C)
Solubility	Slightly soluble in water and petroleum ether, soluble in ethanol, ethyl ether, chloroform and benzene.

Specification

Index name	Grade A	Grade B	Grade C
Appearance	Colorless to light yellow oily liquid	Brownish red oily liquid	Light brown oily liquid
Assay	≥99.00%	≥95.00%	≥92.00%
Ash	≤0.30%	≤0.50%	≤0.80%
Aniline	≤0.50%	≤0.20%	≤0.30%
Benzene	≤0.30%	≤0.20%	≤0.50%

Safety

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Phenylhydrazine : UN2572 PG: II

Special Provisions for Transport: Not available.

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1) 92%: Used for synthesis of organophosphorus pesticide Triazophos intermediates 1 - phenyl semicarbazide, pyridazine sulfur phosphorus intermediate 1 - phenyl - 3, 6 - dihydroxy pyridazine. Also it is new fungicide Famoxadone & Fenamidone) intermediate.
- 2) 95%: Used in the synthesis of dyes and other organic substances. Mainly used in the production of azoic coupling component AS-G.
- 3) 99%: Used for pharmaceutical intermediates. Mainly producing Antipyrine.

Packaging

200kg per drum, packed in iron drum;

Total 16 MT per 20ft container on pallets or without pallets

Storage & Handling

Keep away from the fire and heat. Store in a cool, dry place. Keep containers tightly closed.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and Disposal.

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