

PALM



a **umicore** company

Hydrazine Hydrate Nuclear Grade 85%

Palm International's Hydrazine Hydrate Nuclear Grade 85% is produced for use as an oxygen scavenger in Nuclear Power Facilities. Hydrazine Hydrate 85% solution can also be used as a blowing agent, in polymers, pigments, dyes and other industrial applications. It is manufactured to demanding specifications from only Lanxess 100% Nuclear Grade Hydrazine Hydrate and is subject to stringent quality control standards and testing.

Store in a well ventilated area away from foodstuffs.



Test/Test Method	Typical Results	Specification
Appearance of Hydrazine Hydrate	Clear Colorless Liquid	
Hydrazine Hydrate	85.5%	> = 85.0%
Hydrazine (N ₂ H ₄)	54.7%	> = 54.4%
Water	45.3%	< = 45.6%
Sodium Chloride	0.2 ppm < 0.1 ppm	< = 2.0 ppm < = 2.0 ppm
Iron	< 0.1 ppm	< = 2.0 ppm
Solubility of HyHy	Miscible With Water	

EMERGENCY OVERVIEW

DANGER! DANGER!

Color: Colorless to Light Yellow

Form: Liquid

Review: Safety and Personal Equipment Requirements

Odor: Ammoniacal, fishy.

Toxic: Sudden reaction and fire may result when mixed with oxidizing agents. Harmful by inhalation and if swallowed. Toxic gases/fumes may give off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. May cause respiratory tract irritation. Harmful if absorbed through skin. Causes skin irritation. May cause allergic skin reaction. Causes eye irritation. May cause kidney damage. May cause liver damage. May cause blood disorders. May affect nervous system. May cause lung damage. May cause cancer based on animal data.