

Technical Information

Hydrazine hydrate 55 %

Material No.:

05528763

Form supplied:

CAS-No.: 000302-01-2

mm = 50.06 g/mol

NET

Empirical formula: N₂H₄ · H₂O

Structural formula:

H₂N – NH₂ · H₂O

Germ. : Hydrazinhydrat 55 %

Fr. :

Span. :

Port. :

Description:

Clear, colourless liquid.
Aqueous solution of hydrazine.

Valid from: 2014-08-28

Cancels edition dated: 2008-07-28

Reason for issue: general overhaul

TI-No.: 05528763-1-06

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change without notice.

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Business Unit Advanced Industrial Intermediates
D-50569 Köln (Cologne)

Specification:

Appearance :	conforms to product description
Assay $N_2H_4 \cdot H_2O$:	54.7 – 55.7 %
Assay N_2H_4 :	35.0 – 35.6 %
Cl^- :	max. 8.5 mg/kg
Fe :	max. 0.3 mg/kg
SO_4 :	max. 1 mg/kg

Specification values are subject of constant monitoring.

Characteristic data:

Density (20 °C) :	approx. 1.021 g/cm ³
Melting temperature :	approx. – 65 °C
Boiling temperature (1013 mbar) :	approx. 109.4 °C

Characteristic data provide further information about the product and are not subject to constant monitoring. They are therefore not binding (see notes in last section).

Uses:

Full registration according to Article 10 (4) REACH-Registration, [EC] No. 1907/2006.

The product is used e.g. for:

Chemical synthesis of crop protection, propellants and pharmaceutical products
Reducing agents
Corrosion inhibition of water vapour cycles

All identified uses are described in the EU data sheet of Hydrazine hydrate.

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Standard packing and Storage:

ISO-tank container
IBC, contents 1000 kg
PE-drums, contents 200 kg, 60kg, 30kg

If correctly stored and kept in the original sealed package, the shelf life is at least 2 years.

Shipping, toxicity and hazards:

Please note our EU safety data sheet No. 05528763.

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