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2 - HYDROXYETHYLHYDRAZINE

GENERAL DESCRIPTION

Product:	2-Hydroxyethyl hydrazine
Synonyms:	N-(2-Hydroxyethyl)hydrazine; 2-Hydrazinoethanol;
CAS Number:	109-84-2
EC Number:	203-711-6
Molecular Formula:	$C_5H_{10}O_3$
Linear Formula:	$HO\text{-}CH_2\text{-}CH_2\text{-}NH\text{-}NH_2$
Molecular Weight:	76.09

SALES SPECIFICATION

Appearance:	clear liquid
Purity:	96% min
Packing:	200 kg in metal drums

PHYSICAL PROPERTIES

Density:	1.220 g/cm^3 at 20 ℃
Boiling point:	142.75 ℃ at 4 kPa
Flash point:	103.5 ℃
Partition Coefficient (n-octanol/water):	-1.265

USE

2-Hydroxyethyl hydrazine has similar reactivity and reducing ability with hydrazine but lower vapour pressure. It can be used in the field of:

- component in jet fuels;
- intermediate for organic synthesis especially heterocycles used in agrochemicals, pharmaceuticals, stabilizers and polymerizations;
- chain extender for urethane formulations;
- corrosion inhibitor.

CLASSIFICATION

European Hazard Symbols:	T
Risk Phrases:	23/24/25--40
Safety Phrases:	23-26-36/37/39-45
GHS classification and labeling:	Acute tox. 3
Hazard statement	H301 - Toxic if swallowed. H311 - Toxic in contact with skin. H331 - Toxic if inhaled.
Pictogram:	
Signal word:	Danger
UN Number:	2810
Hazard class:	6.1 (packing group III)