



Technical Datasheet

HYDROGEN PEROXIDE

Description

Hydrogen Peroxide with chemical formula of H_2O_2 is a clear colorless liquid. It is miscible with water in any concentration. Hydrogen Peroxide may decomposes in case of getting contaminated with organic material such as dirt and heavy metals. Available grades of Hydrogen Peroxide are concentrations of 35% and 50%.

Application

Hydrogen Peroxide is widely used in the pulp, paper and textile and other industries such as pharmaceuticals, cosmetics and food. It is also used in the metallurgy industry as extraction and finishing agent, and in the chemical processing as a detoxifier.

Typical Properties

Parameter	35% Concentration	50% Concentration
Appearance	Clear colorless solution	Clear colorless solution
pH	1.5-3	1-2
Specific Gravity ($H_2O=1$)	1.128 g/ml	1.191 g/ml
Melting/Freezing Point	-34 ° C	-52 ° C
Boiling Point	108° C	114° C
Acidity	<0.05%	<0.05%
Stability	>97%	>97%
Heavy metal content	Trace	Trace

Packaging

Hydrogen Peroxide is available in bulk, IBC 1000 liters and 30/65 liter HDPE drums.