## Summary Technical Data Sheet

## Hydrogen Peroxide 35%

**Product Name:** Hydrogen Peroxide 35%

**CAS Number:** 7722-84-1

**Formula (Hydrogen Peroxide):** $H_2O_2$

**Appearance:** clear colorless liquid

**Boiling point:** 110 °C

**Melting point:** -24 °C

**Density:** 1.1 g/cm$^3$ at 20 °C

**Product Specifications**

| | |
|---|---|
| Assay ($H_2O_2$) | 34.5 - 38.0 % |
| pH | 2.0 – 4.5 |
| Color, APHA | ≤ 20 |

Hydrogen Peroxide 35% is an efficient oxidizer, disinfectant, and bleaching agent with many applications in water treatment, detergents and cleaners, sanitizers, pulp and paper bleaching. It is a fast-acting oxidizer that does not leave chemical residues and acts on a wide range of pollutants over a broad pH range. Hydrogen peroxide is an environmentally friendly antimicrobial agent and alternative to chlorine, since it forms oxygen and water.

Hydrogen peroxide is used to treat individual water supplies, including problematic odors, colors, tastes, contaminants, scale and bacteria. Hydrogen peroxide is effective in removing hydrogen sulfide, iron, and chlorine in drinking and ground water, which helps with taste and odor control.

Hydrogen peroxide is widely used in wastewater treatment to reduce BOD/COD/TOC through direct oxidation and through the release of oxygen which promotes aerobic bacteria activity.

It is also used as a biocide and antifouling agent to prevent microbial growth in water systems and cooling towers.

**Storage and Handling**: Keep containers tightly closed in a cool, dark, ventilated place.

**Packaging:** 65kg drums

**Transport Regulations:** UN2004, Hazard class 5.1, Packing Group II.

*The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.*
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**Aqua Bond Inc. PO Box 63635, Toronto, ON, M1V 5K2. Phone: 416-754-7211 www.aquabond.ca**