

# ■ **PRODUCT DESCRIPTION SHEET** ■

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## **HYDROGEN PEROXIDE**

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) is pale blue; when diluted it becomes a colorless compound. The compound, which is a very weak acid; especially to produce white color on paper in the paper industry. The compound is also used in disinfection, oxidation, antiseptic production and rocket fuel production.

### **PHYSICAL PROPERTIES**

<b>Appearance</b>	Clear Liquid fully miscible in water
<b>Concentration(w/w)</b>	50%
<b>Apparent pH</b>	Max 3
<b>Molecular Weight</b>	34.01gm/mol
<b>Decomposition Rate</b>	< 1%/ yr*
<b>Boiling point</b>	150.2 degC (decomposes)

### **KEY BENEFITS**

- Better than Chlorine for bleaching
- Safe decomposition products
- Fibre quality intact
- Offers higher degree of stability and whiteness

### **APPLICATIONS**

- |                    |                                 |                          |
|--------------------|---------------------------------|--------------------------|
| • Textile Industry | • Pulp Bleaching                | • Leather                |
| • Waste Water TTM  | • Pharma Manufacturing          | • Chemical Synthesis     |
| • Polymer Industry | • Disinfection/Hygiene Industry | • Scale Removal in Pipes |

### **STORAGE AND HANDLING**

- Store hydrogen peroxide in the original vented container, upright, in a cool, ventilated area where it is protected from damage, or in bulk storage tanks made from approved alloys of aluminum or stainless steel
- Do not store other chemicals, fuels, or combustible materials near hydrogen peroxide.
- Never return unused hydrogen peroxide to the storage container.
- When empty, rinse all peroxide containers thoroughly with clean water before discarding.
- Use only approved material for pumps, piping, and hoses. Please consult MSDS for appropriate safety measures.

### **TRANSPORTATION**

Supplied in 30/35/65 kg jerry cans.