

H₂O₂

CAS NUMBER: 7722-84-1
PACKING GROUP: II
PACKING SIZE: 1000 L / 1150 Kg
DENSITY (ρ): 1.15
UN NUMBER: UN 2014
HAZARD CLASS: 5.1(8)



Hydrogen Peroxide

Product Overview

A very pale blue solution at room temperature that is odorless. It has both industrial and household uses as an oxidizer, bleaching agent, and antiseptic. Hydrogen peroxide is unstable in the presence of light/heat and will slowly decompose into hydrogen and oxygen.

Hydrogen Peroxide is harmful to health if ingested or inhaled at HIGH concentrations.



Storage

Should be kept in cool areas out of direct sunlight and away from combustible material. Ventilation of any kind should be available to prevent release of vapor or mist into surroundings. Storage containers should be vented.

Handling

Wear PPE when handling H₂O₂. Avoid Contamination as it may cause decomposition into hydrogen and oxygen. Only use glass, stainless steel, aluminum, or plastic instruments for handling H₂O₂.

Transport

Containers are not to be stacked during transit and should be kept upright. Storage containers should be vented; therefore, air transport is restricted.

Safety

Keep away from heat/fire – No Smoking | Keep / Store away from combustible materials. | Take precautions to avoid mixing with combustibles. | Do not breathe fume/ mist. | Wash thoroughly after handling. | Do not eat, drink or smoke when using this product. | Use only outdoors or in a well-ventilated area. | Wear protective gloves/protective clothing/eye protection/face protection. | Keep away from Combustible materials - Copper alloys - Strong reducing agents - Heavy metals - Iron

***Contact with metals, metallic ions, alkalis, reducing agents and organic matter may cause self-accelerated thermal decomposition.**

*** Hydrogen peroxide may induce or increase the severity of a fire. ONLY USE WATER TO EXTINGUISH.**