

## MATERIAL SAFETY DATA SHEET

Point no. 1 Chemical product synonyms Name of Manufacturing Company	Chemical product and company identification. Hydrogen Peroxide Peroxide, Albone, superoxol, Hydrogen – dioxide, Hydro Peroxide M/s. Gujarat Alkalies & Chemicals Limited. P.O. Petrochemicals, Dist. Vadodara Pin code no. 391 346 State – Gujarat, INDIA Telephone No. 2232681, 2232981 –82, 2232039 Fax No. 2232130
Point No. 2	Composition, Information on ingredients Peroxide, Albone, superoxol, Hydrogen – dioxide, Hydro Peroxide
Point No. 3	Hazardous Identification Oxidizer, Corrosive, Class – 5.1 U.N. No. 2014 Hazchem No. 2 PE, CAS No. 7722-84-1 Hazardous Waste – I.D. no. 17, NFPA rating Health –2, Fire – 0, Reactivity – 3,
Point No. 4	First Aid Measure Eyes :- Flush with plenty of water for 15 minutes. Skin :- Remove the contaminated clothes & shoes. Flush the affected area with plenty of water. Inhalation :- Move the victim to fresh air area. Ingestion :- Have victim drink water or milk, seek medical aid.
Point No. 5	Fire Fighting Measure Fire extinguishing should not be use. Do not use dry chemical powder or foam. Only spraying water. Keep containers cool by spraying water if exposed to heat or flame. Containers may explode in fire and combustible.
Point No. 6	Accidental Release Measures Shut off leaks if without risk. Drench with water. Do not absorb on saw dust or other combustibles. To dispose waste, dilute it with plenty of water and drain.
Point No. 7	Handling and storage Store in a cool dry well ventilated area, away from heat or flame. Containers be well covered. Stored separately away from other chemicals.
Point No. 8	Exposure controls

	<p>TLV (ACGIH) 1 PPM 1.5 mg/m<sup>3</sup>, stel – not listed.</p> <p>Permissible exposure limit</p> <p>1 ppm 1.5 mg/m<sup>3</sup>, IDLH 75 ppm</p> <p>Personal protective equipment</p> <p>PVC lined or neoprene hand gloves, on line air apparatus, BA set, safety goggles, safety shoes.</p>
Point No. 9	<p>Physical and chemical properties</p> <p>Physical state – liquid</p> <p>Appearance – colour less</p> <p>Odour – slightly sharp</p> <p>Solubility – in water at 30<sup>0</sup>C, infinite</p> <p>Vapour density – not available (air = 1)</p> <p>PH – slight acidic</p> <p>Boiling range/point 125<sup>0</sup> C</p> <p>Melting freezing point 40.3<sup>0</sup>C</p> <p>Vapour pressure at 35<sup>0</sup>C, 1mm Hg at 15.3<sup>0</sup>C</p> <p>Specific gravity – water = 1, 1.132 (35%H<sub>2</sub>O<sub>2</sub>) at 20<sup>0</sup>C 1.195 (50% H<sub>2</sub>O<sub>2</sub>) at 20<sup>0</sup>C</p>
Point No. 10	<p>Stability and Reactivity</p> <p>Chemical Stability :- Rapid decomposes with dirt/metals with liberation O<sub>2</sub> gas occurs particularly if cone is above 40 % pure grade is stable.</p> <p>Incompatibility with other material, metals like iron, copper, Brass, Bronze, chromium, Zink, lead manganese, silver, catalytic metals.</p> <p>Reactivity violent reaction with aluminum isopropoxide and heavy metal salts, coal, charcoal, dimethyl metals, metal oxides.</p>
	<p>Hazardous desiccants :- Reacts with acetic acid, acetaldehyde.</p> <p>Reactions production :- acetic anhydride to form unstable explosive products.</p>
Point No. 11	<p>Toxicological information</p> <p>Routes of entry :- Ingestion, inhalation, eyes &amp; skin.</p> <p>Effects of exposure symptoms :- irritating symptoms vapour cause discomfort of eyes &amp; nose. Moderately conc. liquid causes whitening of skin, severe stinging sensation, can cause eye damage.</p> <p>Emergency treatment :-</p> <p>Eyes :- flush with plenty of water for 15 minutes.</p> <p>Skin :- remove the contaminated clothes and shoes, flush the affected area with plenty</p>

	<p>of water.</p> <p>Inhalation :- move the victim to fresh air area.</p> <p>Ingestion :- have victim drink water or milk, seek medical aid.</p>
Point No. 12	<p>Ecological information</p> <p>No data found.</p>
Point No. 13	<p>Disposal Consideration</p> <p>Dispose of in a manner consistent with federal, state &amp; local regulations.</p>
Point No. 14	<p>Transport information :-</p> <p>Formula :- H<sub>2</sub>O<sub>2</sub>, CAS No. 7722-84-1, UN No. 2014.</p> <p>Regulated shipping identification name :- Hazchem No. 2 P.E. corrosive, Hydrogen Peroxide, Oxidiser Codes/Label – class – 5.1 Hazardous waste :- ID No. 17</p>
Point No. 15	<p>Regulatory information :- Hazardous ingredients :- Hydrogen Peroxide, CAS No. 7722-84-1</p>
Point No. 16	<p>Other Information</p> <p>Information contained in this material data sheet is believed to be reliable but no representation. Guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacture/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufacture handled or sold by him as the case may be. The Government makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.</p>