



Product Specification

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HYDROGEN PEROXIDE ULTRAPURE

PRODUCT CODE	845303	
SYNONYMS	(Dihydrogen dioxide; Hydrogen dioxide;Hydroperoxide)	
C.I. NO.	N/A	
CASR NO.	7722-84-1	
ATOMIC OR MOLECULAR FORMULA	H ₂ O ₂	H ₂ O ₂
ATOMIC OR MOLECULAR WEIGHT	34.01	
PROPERTIES	--	
PARAMETER	LIMIT	
Description	A clear colourless liquid.	
Solubility	10% solution in water is clear & colourless.	
Assay (Contant not less than)	30.0 - 32.0% w/v	
MAXIMUM LIMIT OF IMPURITIES		
Colour	10 APHA	
Chloride (Cl)	30 ppb	
Sulphate (SO ₄)	100 ppb	
Phosphate (PO ₄)	50 ppb	
Aluminium (Al)	1 ppb	
Antimony (Sb)	0.5 ppb	
Arsenic (As)	1 ppb	
Barium (Ba)	0.5 ppb	
Beryllium (Be)	0.5 ppb	
Bismuth (Bi)	1 ppb	
Boron (B)	1 ppb	
Cadmium (Cd)	0.5 ppb	
Calcium (Ca)	5 ppb	
Chromium (Cr)	0.5 ppb	
Cobalt (Co)	0.5 ppb	
Copper (Cu)	0.5 ppb	
Gallium (Ga)	0.5 ppb	
Germanium (Ge)	0.5 ppb	
Gold (Au)	0.5 ppb	
Mercury (Hg)	1 ppb	
Iron (Fe)	1 ppb	
Indium (In)	0.5 ppb	
Lead (Pb)	0.5 ppb	
Lithium (Li)	0.5 ppb	
Magnesium (Mg)	1 ppb	
Manganese (Mn)	0.5 ppb	
Molybdenum (Mo)	0.5 ppb	
Nickel (Ni)	0.5 ppb	
Niobium (Nb)	1 ppb	
Palladium (Pd)	0.5 ppb	



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Potassium (K)	1 ppb
Platinum (Pt)	0.5 ppb
Silver (Ag)	0.5 ppb
Sodium (Na)	1 ppb
Strontium (Sr)	0.5 ppb
Tin (Sn)	0.5 ppb
Titanium (Ti)	1 ppb
Thallium (Tl)	0.5 ppb
Vanadium (V)	0.5 ppb
Zinc (Zn)	1 ppb
Zirconium (Zr)	1 ppb

Note(s) : 1] Assay (if applicable) method mentioned.

DANGER

HAZARD STATEMENTS : May cause fire or explosion; strong oxidizer. May intensify fire; oxidizer. Toxic if inhaled. Harmful if swallowed. Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS :

Prevention : Wash hands thoroughly after handling. Wash thoroughly after handling. Do not breathe dust or mist. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Wear protective gloves/clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from clothing and other combustible materials. Wear fire/ flame resistant/retardant clothing. Keep away from heat. Take any precaution to avoid mixing with combustible or incompatible materials.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Keep container tightly closed. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS. Absorb spillage to prevent material damage. In case of major fire and large quantities: Evacuate area and fight fire remotely due to the risk of explosion. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash contaminated clothing before reuse.

Disposal : - ----

Hazard Pictogram(s) :



GHS03



GHS05



GHS06

IMDG Code : 5.1/II

UN No. : 2014

IATA : 5.1