

Product Specification

Product Name: HYDROGEN PEROXIDE 50% TG

Alternate Name(s) Hydrogen Dioxide

Description

Clear liquid with a characteristic odour and free from visible impurities.

Properties

Chemical Formula: H_2O_2

Molecular Weight: 34.01

Product Code: HT003

CAS No.: 7722-84-1

General Information:

Miscible in all proportions with water. Soluble in alcohol. Fundamentally unstable. Decomposition slow with pure material but catalysed by many impurities, especially metals. Dangerous fire and explosion risk; strong oxidizing agent.

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 2014
Hazchem code: 2P
CS MSDS Code: 1CH35
Poison schedule: S6
Emergency
Procedure Guide No.: 31

Quality Specification

Assay: 49.9 - 50.5% w/w

Specific Properties and Impurities [Typical levels]:

Acidity (meq/l) 1 - 5
Stability 0.3 mls oxygen
per minute per 25 mls
at 100 °C

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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