Hydrogen Peroxide – Standard Grade

Introduction

Standard Grade hydrogen peroxide is formulated for high stability and long-term storage. Standard Grade Hydrogen Peroxide is used extensively for pulp, textile, and environmental applications. It is the most suitable grade available for industrial purposes. The National Fire Protection Association classifies 52% to 91% as a Class 3 Oxidizer. PeroxyChem product meets the assay and stability specifications below.

Specifications

H$_2$O$_2$ content, % by weight 59%
Product diluted at sites 59.0 – 59.8

Typical Properties

59%

Stability (3 hours @ 100°C) >99.6%
Apparent pH <3.0
Specific gravity @ (20°C/4°C) 1.24
Lbs/U.S. gal (kg/m$^3$) @ 20°C 10.3 (1240)
Freezing point °C (°F) -55 (-67)

Standard Containers

Bulk shipments are available in tank trucks for delivery in Canada only.

Hydrogen peroxide above 8% concentration is classified as an "Oxidizer" by the Department of Transportation and all containers must carry the yellow DOT Oxidizer and, if applicable, the black Corrosive label / placard.

Prior to working with Hydrogen Peroxide consult the Material Safety Data Sheet and PeroxyChem to understand personal protective equipment, first aid measures and proper safety and handling procedures and equipment.

This information contained herein is, to our knowledge, true and accurate. Because conditions of use are beyond our control, we make no warranty or representation, expressed or implied, except that the products discussed herein conform to the chemical descriptions shown on their labels. Nothing contained herein should be construed as permission or recommendation to infringe any patent. No agent, representative or employee of this company is authorized to vary any of the terms of this notice.

© 2015 PeroxyChem. 02-01-TDS-15