

Technical Bulletin

Proxysan

Hydrogen Peroxide and Peroxyacetic Acid Mixture

Product Description:

A water clear, colourless liquid comprising an equilibrium mixture of hydrogen peroxide, peroxyacetic acid, water and acetic acid.

Application:

Proxysan solutions in contact with eyes can cause severe and permanent corneal damage. Vapour from Proxysan can irritate and inflame the mucous membranes of the nose and throat. Skin contact with concentrated Proxysan for prolonged periods of time can result in thermal and/or chemical burns. An Exposure Standard for Proxysan has not been established, but that for hydrogen peroxide is 1.4 mg/m³ air and that for acetic acid is 25 mg/m³ air.

Proxysan is incompatible with strong acids, alkalis, reducing agents, oxidising agents, rust, metals and their compounds, resins, promoters, accelerators and combustible materials. Although Proxysan by itself is not combustible, decomposition of concentrated Proxysan generates both heat and an oxygen-rich environment which together can promote combustion of organic materials.

Safety Measures: Avoid contact with eyes and skin. When working with Proxysan always wear eye protection and protective clothes and gloves. Ensure adequate ventilation in areas where Proxysan has ready access to the workplace atmosphere. Do not eat, drink or smoke in areas where this material is used.

First Aid: If swallowed give water to drink. DO NOT induce vomiting. Seek medical advice from doctor or Poisons Information Centre without delay. If eye contact occurs, immediately irrigate with water continuously until medical attention is obtained. If skin contact occurs, wash skin with ample water. Remove any contaminated clothing and launder thoroughly before re use. If required, seek medical advice. Advice to doctor: treat systematically; if eye contact, refer to eye specialist.

Fire: Not combustible. Use large quantities of fine water spray from a safe distance, to cool and extinguish fires involving this product.

Storage, Handling: Proxysan should be stored upright in the original vented containers or approved, chemically passivated, vented storage tanks made of stainless steel grade 304 litre or 316 litre, away from sources of heat. Keep storage area free from combustible materials and incompatible chemicals.

Eyewash, safety shower and water for hosing

Technical Data:

Peroxyacetic Acid Content:	5% w/w
Hydrogen Peroxide Content: min.	25% w/w
Acidity as Acetic Acid:	ca. 7.5% w/w
Density at 20°C:	ca. 1.13 g/cm ³
Freezing Point:	below -30C
Miscibility at 23°C:	
Miscible in all properties with:	water
Thermal Stability:	
Critical Temperature (SADT):	ca. 60oC
Recommended Storage Temperature:	-20°C to 35°C
Maintenance of activity at 20°C:	ca. 12 months

SHELF LIFE: As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 12 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material. **Page 1 of 1**