



PRODUCT INFORMATION SHEET

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Product: **PERASAN**
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Note:
CHESSER CHEMICALS Pty., Ltd., provides the information submitted in this Product Information Sheet based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve users from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

Product: **PERASAN** PERACETIC ACID SANITISER

PURPOSE & USE

PERASAN is an equilibrium mixture of Peracetic Acid (PAA) and Hydrogen Peroxide, used as a final sanitising rinse for food production plants, brewery, beverage and dairy plants.

FEATURES & BENEFITS

Broad Spectrum: PAA is amongst the most powerful biocides known to man -it is effective against all known yeasts, moulds, fungi, bacteria and their spores. It is also effective against viruses.

Non Foaming: **PERASAN** produces no foam so is ideal for CIP situations. **BOD/COD Reduction:** Whether by direct chemical action of the hydrogen peroxide and peracetic acid, or by a 'pay back' of developed oxygen from their decomposition. **PERASAN** has been found to lower BOD/COD in trade waste outlets.

Non Rinse: **PERASAN**, as a final sanitising rinse, is ideal for breweries using acid cleaning under CO₂ top pressure, but is equally well suited to follow caustic cleaning programs.

Non Derivatising / Non Mutating: To date there is no evidence of side reactions with organics in trade waste to produce toxic compounds. There is also no evidence of any mutagenesis producing compounds generated in the effluent, as can occur with some other biocides, particularly chlorine containing compounds.

DISCUSSION

PERASAN can be used as a non-rinse sanitiser for brewery, beverage and dairy applications. It is designed for single use applications at temperatures ranging from ambient to 70°C, with activity increasing as temperature increases.

HOW TO USE

PERASAN should be used at concentrations 1:100 (500ppm) to 1:500 (100ppm) Peracetic acid, respectively

PERASAN should be used at ambient temperature, but is stable to a maximum of 70°C.

DESCRIPTION

A clear, colourless liquid comprising a stabilised equilibrium mixture of hydrogen peroxide, Peracetic acid, water and acetic acid.

TYPICAL ANALYSIS

Peracetic acid content 5% w/w; Hydrogen peroxide content min. 25% w/w Acidity as acetic acid ca. 7.5% w/w

TYPICAL PROPERTIES

| | | | |
|---------------------------------|----------------|-----------------------------|-------------|
| Density at 20°C | Freezing point | 1.13g/cm ³ | below -30°C |
| Solubility | | Miscible in all proportions | with water |
| Critical temperature (SADT) | | 60°C | |
| Recommended storage temperature | | less than 35°C | |
| Maintenance of activity at 25°C | | 6 months | |

MATERIAL COMPATIBILITY

Safe to use on stainless steel, aluminium and glass. It is not recommended for use on mild steel, copper, copper alloys or zinc galvanising

SAFETY AND FIRST AID

HIGH Hazard Rating



Chesser Traffic Lights Hazard indicator system

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

SIGNAL WORD: DANGER



 Emergency Response No: **CHEMWATCH** 1800 951 288

RECOMMENDED PPE



Hazard Statements

Physical hazards

| | |
|------|--|
| H271 | May cause fire or explosion; strong oxidiser |
| H226 | Flammable liquid and vapour |

Health hazards

| | |
|------|--|
| H302 | Harmful if swallowed |
| H332 | Harmful if inhaled. |
| H314 | Causes severe skin burns and eye damage. |

Environmental hazards

| | |
|------|----------------------------|
| H400 | Very toxic to aquatic life |
|------|----------------------------|

**Transport**

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN No: 3149

Transport Hazard Class: 5.1 Oxidizing agent

Subsidiary risk: 8 Corrosive

EPG 31 Oxidizing Substances

Packing Group: II

Proper Shipping Name: HYDROGEN PEROXIDE
& PEROXYACETIC ACID
MIXTURE with acid(s), water
and not more than 5%
Peroxyacetic acid,
STABILIZED



Hazchem or Emergency Action Code: 2W

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