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Product
Bulletin

OXY-GEN SPECIALTY CHEMICAL COMPOUND

TYPICAL APPLICATIONS

The active ingredient of **OXY-GEN** is potassium peroxymonosulfate which is present as a component of a triple salt including potassium monopersulfate, potassium sulfate and potassium bisulfate with the formula $2KHSO_5 \cdot KHSO_4 \cdot K_2SO_4$. It is a white, odorless, crystalline, free-flowing solid powder. It is decomposed when the temperature exceeds 60°C. It is readily soluble in water and is corrosive (acidic). It provides powerful non-chlorine oxidation for a wide variety of industrial and consumer uses. It has the particular advantage of being highly stable in storage, easy and safe to handle.

Oxidant: In swimming pools and spas for the purpose of reducing the organic content of the water.

Printed Circuit Board Etching: It is used as a micro-etcher for cleaning and preparing copper printed wiring board surfaces.

Paper Recycling: It is a convenient and effective processing aid for re-pulping wet strength resin or secondary fiber furnish.

Textile: It is used as an oxidizer for the treatment of wool to prepare it for the application of shrink-proofing resins and laundry bleach.

Others: Denture cleansers; plaster additive; auxiliary agent in organic synthesis; carpet browning and water decontamination.

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CONCENTRATED

OXY-GEN's heavy-duty formulation allows low use-solution concentrations, resulting in low-cost cleaning with optimum performance.

NON- FOAMING

OXY-GEN does not provide added foaming to aid in penetration during cleaning processes. Any foam generated would be present due to the oxygenating action of the product.

SAFETY & HANDLING PROCEDURE

OXY-GEN is corrosive to the eyes, skin, nose, and throat due to its acidity and oxidizing properties. Persons handling **OXY-GEN** should avoid contact with eyes, skin, or clothing, and avoid breathing dust.

PHYSICAL PROPERTIES

Appearance.....White, Free-Flowing Powder
Odor.....None
Active Oxygen, min. 4.5%
Active Component (KH_2O_5), min. 42.8%
pH of 3% Solution..... 1.5-2.0
Bulk Density 1.0-1.3 gm/cm³
Storage Temperature <30°C

PRODUCT pH INDICATOR

----- acid ---- neutral ---- alkaline -----

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14



Seller Warranty

Applies to all products sold by CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

June 12, 2009

