

# OXYdiff

## FEATURES & BENEFITS

- OXYdiff is EPA registered
- Concentrated broad-spectrum disinfectant/virucide with efficacy against C. diff spores
- Exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms including: E. coli, Klebsiella pneumoniae, & Salmonella enterica.
- Sanitization of conveyors and equipment for meat, poultry, seafood, fruit, nuts and vegetables.

## SPECIFICATION DATA

<b>EPA Registration No.</b>	58300-27-91628
<b>Color</b>	Clear
<b>Physical State</b>	Liquid
<b>Odor</b>	Pungent, vinegar like
<b>Flash Point °C (°F) DIN</b>	75.0°C
<b>Miscibility</b>	Completely Miscible (100%)
<b>pH</b>	2.54 at 25°C
<b>Active Ingredient(s)</b>	Peroxyacetic Acid - 5.9% Hydrogen peroxide- 27.3%
<b>Other Ingredient(s)</b>	Acetic Acid, Water, Stabilizer
<b>DOT Classification</b>	UN 3109, Organic Peroxide Type F, Liquid (Peroxyacetic Acid) 5.2 (8), PG II
<b>Part Numbers</b>	5355 5 gal 5356 15 gal 5357 55 gal 5358 265 gal

## DISCLAIMER

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## STORAGE AND HANDLING

Store product in original container, in an upright position. The storage area should be well ventilated and shaded from sunlight as well as protected from sources of radiant heat. Contamination of the product, especially heavy metal ions and alkali, must be avoided. Do not store near reducing agents, fuels, organic material, or other non-compatible materials. Avoid temperatures above 86 F. Use first in, first out storage management. Containers must be vented.

Shelf life is at least one year without notable loss of active oxygen if stored properly.

ALWAYS wear gloves, goggles or face shield, and other appropriate chemical resistant gear.

For First Aid & Safety please refer to SDS.

## USES

### Emerging Viral Pathogen Claim

This product qualifies for emerging viral pathogen claims per the EPA's 'Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens not on EPA-Registered Disinfectant Labels' when used in accordance with the appropriate use following the sterilant directions for use on hard, non-porous surfaces. This product meets the criteria to make claims against certain emerging viral pathogens from the following viral categories:

- o Enveloped Viruses
- o Large Non-Enveloped Viruses
- o Small Non-Enveloped Viruses

### SANITIZATION

This product is for use on pre-cleaned surfaces such as equipment, pipelines, tanks, vats, filters, evaporators, pasteurizers, and aseptic equipment in dairies, breweries, wineries, beverage and food processing/packing plants, and egg processing/packing equipment surfaces. This product is effective as a sanitizer when solution is prepared in water of up to 500 ppm hardness as CaCO<sub>3</sub>. This product has demonstrated greater than 99.9999% reduction of organisms after 60 seconds exposure period in the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test.

### DISINFECTION/DEODORIZATION

**COMBINATION DISINFECTION AND CLEANING:** This product is effective against the labeled organisms at 2 fluid ounce per 5 gallons of water in hard water (400 ppm as CaCO<sub>3</sub>) and 5% blood serum on hard nonporous surfaces. For heavily visibly soiled areas a pre-cleaning step is required. Apply solution with mop, cloth, sponge, brush, scrubber, or coarse spray device or by soaking so as to wet all surfaces thoroughly. Allow to remain wet for required contact of 10 minutes and then either allow to air dry or if desired remove solution and entrapped soil with a clean wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted.

### POST HARVEST TREATMENT

**TREATMENT OF FRUIT AND VEGETABLE PROCESSING WATERS:** Use the product for the treatment of waters used in the processing of raw fruits and vegetables. Mix this product with water either batch-wise or continuously at a rate of 60 to 195 fluid ounces of this product to 1,000 gallons of water (or equivalent use dilution). This will provide 25 to 85 ppm of active in the use solution. The fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 45 seconds, followed by adequate draining. At this use dilution this product will control the growth of spoilage and decay causing non-public health organisms in process waters and on the surface of fresh cut or post harvest fruits and vegetables. This product is not allowed to be used for control of any public health organism on fruit and vegetable surfaces.

DIRECTIONS FOR USE please see Label

### COMPATIBLE MATERIALS

Compatible with: PTFE: Polytetrafluoroethylene 316 Stainless steel, PVDF: Polyvinylidene Fluoride, HDPE: High Density Polyethylene, Kalrez®: Dupont-Perfluoroelastomer

### PUMP

Teflon diaphragms and Teflon, polypropylene, or kynar liquid contacting points. Double seated check valve and de-gassing head.

Do not use elastomer composite material for seats or gaskets other than Teflon. Peristaltic pumps can be used. – Santoprene squeeze tubes. Check integrity of squeeze tubes regularly.

### TUBING

Teflon Tubing is preferred. FEP or PFA Teflon tubing has good pressure and wear resistance, and is UV and weather resistant. Low density polyethylene tubing is not recommended. High density polyethylene has relatively good resistance but will become brittle with time. Never use any synthetic tubing other than those discussed above

### METALS

Never use brass, copper, iron, or galvanized metal of any kind that will contact even the most dilute solution of OXYdiff.

