

## Oxygen Cleaning Compound Product Data Sheet

1481 Rock Mtn. Blvd.  
Stone Mountain, GA 30083  
800-886-8240 • 770-621-8240  
[www.ecolink.com](http://www.ecolink.com)  
email: info@ecolink.com

### Description

Oxygen piping and components require rigorous cleaning to prevent fires. Life support systems and equipment require careful cleaning to prevent contamination with toxic material.

OCC is a clear, aqueous, inorganic, alkaline solution developed specifically to clean surfaces of oxygen, oxygen-enriched, and life-support generating handling, transport, and storage equipment, as well as surfaces requiring precision cleanliness. OCC satisfies the most stringent requirements of the US Navy for cleaning aircraft, combat submarine, deep submersible and diving equipment gaseous oxygen piping and components.

OCC can be used in a verifiable, repeatable precision cleaning process that is adaptable to various applications, skill levels and production throughputs. Process verification can be performed qualitatively (without chlorinated solvents) by using a filtration and gravimetric analysis system.

### Benefits

- OCC contains no organic and no environmentally regulated material
- OCC is compatible with all metals including aluminum, copper, and steel
- OCC has no flash point and is compatible with gaseous and liquid oxygen
- OCC is manufactured in accordance with Military Specification MIL-DTL-24800 with a Certification of Analysis delivered with each lot
- OCC cleaning process is fully documented by the US Navy in MIL-STD-1330D and MIL-STD-1622B affording ease of technology transfer to new users

### Applications

OCC is effective in removing organic and particulate contamination from small parts, valves, hoses, piping, flasks, and tanks. OCC is non-foaming, and is usable in ultrasonic tanks, parts washers, flow through pipe cleaning, and tank pressure spray. OCC is currently in use at over 50 organizations, and has been used to clean everything from small valves parts to 400 foot long installed pipe systems to 30,000 gallon liquid oxygen tanks.

### Key Physical Characteristics

Property	Typical Value
Appearance	Clear
Boiling Point	240° F
Chlorides	<2 ppm
Flash Point, (TCC)	None
Hydrocarbons	<1 ppm
Insoluble Matter	<5 mg/L @ 0.5µ
Incompatibility	Avoid acids
Odor	Odorless
pH	11.9 to 11.99
Specific Gravity	1.099
Vapor Density (air = 1)	0.4
Vapor Pressure	17 mm Hg
VOC	0.0 grams/liter

### Summary Operating Data

OCC is ready to use, or may be diluted 1:1. For ultrasonic cleaning, OCC should be used at 140° to 160°F with a part immersion time of 5 to 15 minutes. For pipe and hose cleaning, OCC should be used at 140° to 170°F and 3 to 6 feet per second flow rate for a period of 15 to 60 minutes depending on soil loading and arrangement. For parts washers and tank spraying, OCC should be used at 120°F or greater with a direct impingement time of 10 to 30 minutes depending on soil loading. After cleaning with OCC, rinse with freshwater to obtain a residue free surface. OCC can be recycled with filtration. Efficiency can be monitored with a simple acid color titration. **Please request complete directions prior to first time use.**

### Packaging

Product Name	Part No.	Packaging	Natl. Stock No.
OCC	380	55 Gal Drum	6850-01-389-3880
OCC	381	5 Gal Pail	6850-01-389-3859