

Oxygen Cleaning Compound Product Data Sheet

PO Box 9
Tucker, GA 30084
800-886-8240 • 770-621-8240
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.

NOC 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. NOC satisfies the most stringent requirements of the US Navy for cleaning aircraft, combat submarine, deep submersible and diving equipment gaseous oxygen piping and components.

NOC 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

- NOC contains no organic and no environmentally regulated material
- NOC is compatible with all metals including aluminum, copper, and steel
- NOC has no flash point and is compatible with gaseous and liquid oxygen
- NOC is manufactured in accordance with Military Specification MIL-DTL-24800 with a Certification of Analysis delivered with each lot
- NOC 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

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

Key Physical Characteristics

<u>Property</u>	<u>Typical Value</u>
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

NOC is ready to use, or may be diluted 1:1. For ultrasonic cleaning, NOC should be used at 140° to 160°F with a part immersion time of 5 to 15 minutes. For pipe and hose cleaning, NOC 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, NOC 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 NOC, rinse with freshwater to obtain a residue free surface. NOC 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

<u>Product Name</u>	<u>Part No.</u>	<u>Packaging</u>	<u>Natl. Stock No.</u>
NOC	380	55 Gal Drum	6850-01-389-3880
NOC	381	5 Gal Pail	6850-01-389-3859