

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

NAVY OXYGEN LINE CLEANER (NOC)

Oxygen Line Cleaning Compound

MIL-DTL-24800

General Description

NOC is formulated to MIL-DTL-24800 and meets the standards listed in MIL-STD-1330, Oxygen Line Cleaning Compound. **NOC** is an inorganic alkaline solution comprised of water, sodium silicate, sodium molybdate and sodium fluoroborate. **NOC** will remove common organic fat based soils by neutralization or solubilization and will remove the more difficult industrial based hydrocarbon and halogenated synthetic and mineral based oil and grease soils from the surface by displacement. **NOC** will remove particulates, hydrocarbon oils, greases, and fats and fluorinated oils & greases from metallic surfaces, rubber surfaces and plastic surfaces when applied hot at temperatures of 140F to 170F. The product is most effective when used with agitation in applications such as a pumped ultrasonic tank, pumped pipe line cleaner or spray impingement cleaner.

NOC is non-flammable in high pressure gaseous oxygen. **NOC** is non-toxic, and is safe for use in any life support system including multiple atmosphere diving systems.

Application/Dilution

NOC can be diluted with de-mineralized or de-ionized water up to 50 percent. **NOC** must be diluted 50 percent when cleaning aluminum or anodized aluminum. Water should be added to **NOC** rather than adding **NOC** to water. **NOC** can be used as supplied for heavily contaminated piping.

For installed piping systems, or sections of piping systems with expansion or contraction fittings or components, the minimum flushing time is 60 minutes followed by a back-flush for an additional 60 minutes. For lengths of pipes incorporating only bends or elbows, the minimum flushing time is 30 minutes. Back-flushing is not required. Bends and elbows present relatively smooth transitions which do not develop areas of stagnant flow like blank fittings and valve bodies. For piping systems and sections fabricated of pre-cleaned pipe and components, the minimum flushing time is 30 minutes followed by a back-flush for an additional 30 minutes.

After cleaning with **NOC**, remove the cleaner and then flush with de-mineralized water at a minimum temperature of 110°F: at a minimum velocity of 3fps. Minimize the time between draining **NOC** and rinsing with water to prevent re-deposition of soil and formation of cleaner residue.

Physical Properties

Color / Odor	Water-white / Bland
Water Solubility	100%
Freeze Point	28° F

Availability

NOC is available in UN approved 5 gallon pails, 55 gallon drums and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.

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