



Nuclear Grade-69 MF Liquid

Patent Pending

VpCI® Water Treatment Corrosion Inhibitors

PRODUCT DESCRIPTION

Nuclear Grade-69 MF Liquid (Nuclear Grade-69 MF L) is a Vapor phase Corrosion Inhibitor (VpCI) developed as corrosion prevention additives for the water treatment industry. This inhibitor provides multimetal protection, including carbon and stainless steel, aluminum alloys, zirconium, and yellow metals. The VpCIs form a strong monomolecular layer on the metal surface that protects in all three phases- liquid, vapor, and the vapor-liquid interface.

TYPICAL APPLICATIONS

Nuclear Grade-69 MF L is an anticorrosion additive for water treatment formulations to replace chromates, nitrites, phosphonates, and other types of restricted corrosion inhibitors. Nuclear Grade-69 MF L is easy to apply, thermo stable, and resistant to degradation under variable water chemistry and application conditions; including sea water and near to boiling temperature.

DOSAGE RATES

- a) Closed loop-brine
Concentration of Nuclear Grade-69 MF L under operating conditions for a closed loop system formulation is 5-25%.
- b) Closed loop-fresh water
Concentration of Nuclear Grade-69 MF L under operating conditions for a closed loop system formulation start at 0.75-1.0%.

FEATURES

- Protects carbon steel, stainless steel, aluminum and its alloys, copper, and other metals
- Prevents corrosion and pitting
- Effective for open and closed loop cooling systems
- Contains contact and vapor phase corrosion inhibitors
- Can be used as a corrosion inhibitor additive in the majority of water treatment programs
- Compatible with the majority of commercially available biocides and antiscalants
- Nitrite, chromate, and heavy metal free
- In liquid form for easy application
- Environmentally friendly formulation

TYPICAL PROPERTIES

| | |
|----------------------|---------------------------------|
| Appearance | Clear very light yellow liquid |
| pH | 7.3-7.5 (neat) |
| Density | 9.0-9.2 lb/gal (1.08-1.10 kg/l) |
| Non-volatile Content | 20-25% |

PACKAGING AND STORAGE

Nuclear Grade-69 MF L is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.



FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE
INFORMATION

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