



# **SAFE ACID NF**

## **A NON FOAMING ORGANIC ACID BASED CLEANER**

### **PHOSPHATE FREE**

#### **DESCRIPTION**

**SAFE ACID NF** is a concentrated phosphate-free acid cleaner. This chemical will efficiently remove mineral deposits. It is extremely good for cleaning in place.

#### **APPLICATION**

**SAFE ACID NF** is used at a concentration of 0.5-5.0% (5 mL/L to 50 mL/L for cleaning in place.

A concentration of 5.0% (50 mL/L ; 6.4 oz/gal) is recommended for manual cleaning.

#### **PROPERTIES**

Appearance: Clear liquid

pH (1% solution):  $3.00 \pm 1.00$

Specific gravity @ 25°C:  $1.120 \pm 0.050$

#### **INGREDIENTS**

Contains: citric acid, urea- monohydrochloride and urea-sulfate

#### **MADE IN CANADA**

#### **FOR FOOD OR INDUSTRIAL ESTABLISHMENTS**



**DESCRIPTION:**

**SAFE ACID NF** is a low pH organic salt that is used to replace traditional strong corrosive acids. Our acid replacement technology is safe, non hazardous and biodegradable.

**ADVANTAGES:**

- 4 to 10 times more effective than citric and glycolic acid and 2 to 3 times more effective than phosphoric acid when dissolving calcium carbonate.
- High performance vs cost ratio compared to phosphoric and citric acids.
- Non-fuming, safer to handle and store.
- No solubility limits (ideal for concentrated cleaners).
- Classified as a mild skin irritant.
- Phosphate free thus eliminating the potential of eutrophication (algae blooming).
- Low contributor to BOD/COD in effluents.
- Approved for use in green seal and Canadian ecologo products.
- Contains no VOCs and no bleaching agents.
- Non-corrosive to skin, mild steel and most of surfaces.
- Approved by the US EPA as a non-food inert ingredient in biocide applications.

**APPLICATIONS:**

Industrial and Institutional	Transportation
Tub & tile cleaners	Acid presoaks
Grout cleaners	Bay & wall cleaners
Bowl cleaners	Locomotive cleaners
Soap scum ring line remover	Concrete truck & equipment cleaners.
Descalers/Delimers	
Carpet pre-spotters	
Metal cleaners	
Concrete floor cleaners	

**FOOD AND DAIRY CLEANERS**

Phosphate free beerstone and milkstone removers excellent replacement for phosphoric and nitric acid.



**APPLICATIONS:** (continued)

**MARINE**

No need to disassemble equipment.

- Air compressors
- Air conditioning
- Air ejectors
- Boilers
- Booster heaters
- Bow thrusters
- Bumpers
- Buoys
- Chillers
- Condensers
- Control valves
- Cylinder jackets
- Desalination units
- Diesel engines
- Distilling plants
- Engine blocks
- Engine cooling systems
- Engine heads
- Engine manifolds
- Evaporators
- Feed water heaters
- Fenders
- Fire mains
- Generators
- Heat exchangers
- Hulls
- Intake screens
- Keel coolers
- Lube oil coolers
- Propellers

Also effective to control zebra mussels.

**To clean a dirty grout, you can dilute 1:2 to 1:4. For a normal maintenance, this product has to be diluted 1:10.**



**Before Cleaning**



**After Cleaning**