

CRIMSON NPV Acid

GENERAL DESCRIPTION

Crimson NPV Acid is a highly effective, low foaming acid cleaner that consists of phosphoric and nitric acid. It is designed to rapidly attack scale and stone to leave metal surfaces sparkling. The blend is especially useful in removing protein stains and starch. **Crimson NPV Acid** low foaming characteristic enhances cleaning action when applied by circulation, spray, or agitated soap cleaner. It has been specially formulated to passivate and re-passivate stainless steel vessels used in food and beverage applications; especially useful in removing heavy mineral deposits, milk stone and beer stone from surfaces.

BENEFITS

- ◆ Economical to use
- ◆ Low foaming CIP cleaner
- ◆ Penetrates and removes scale, protein, & beer stone
- ◆ Passivates & brightens stainless steel vessels

PROPERTIES

- ◆ Appearance: Red liquid
- ◆ Foam: Low
- ◆ Wetting: Good
- ◆ pH @ 1 ounce per gallon: 2.1
- ◆ pH of concentrate: 1.2
- ◆ Biodegradable: Yes

DIRECTIONS FOR USE

Acid Rinse to neutralize caustic cleaning solutions: Drain the alkali wash – burst rinse with warm water. Make a solution of 1 oz. **Crimson NPV Acid** in every 10 gallons of water used. Circulate this solution for 15 minutes at 50-140°F. Drain the system and rinse with potable water. Just prior to reuse sanitize according to the local health codes. *Use this procedure for caustic neutralization only.*

DIRECTIONS FOR USE (Continued)

CIP Acid Wash (for caustic neutralization, mineral deposit removal and maintaining passivation): Clean equipment with suitable alkali to produce acceptable soil removal. Drain the alkali wash – burst rinse with ambient temperature water. Add enough acid to equal half the amount of caustic used in the caustic wash (example: Used a 2% solution of caustic CIP solution; 2.56 oz. / gallon of water. Acid should then be a 1% **Crimson NPV Acid** solution; 1.28 oz. / gallon of water). The temperature of the acid wash should be 120-140°F. Recirculate through system for 20 minutes. Then burst rinse with fresh, potable water and allow to drain. *(The use of all cleaning compounds must be followed by a potable water rinse.)* Just prior to reuse sanitize according to local health standards.

Nitric Acid Passivation: After running the initial caustic or degreasing wash to remove mills oils, steel fragments or other foreign contaminants, rinse the system thoroughly with fresh water and drain. Prepare a 30% **Crimson NPV Acid** solution (38.4 oz. per gallon of water) in the CIP balance tank. Recirculate at 120-140°F for one hour. Drain and rinse the tanks / system. Then, run a thorough fresh water rinse and allow everything to drain thoroughly. Allow the equipment to air dry for a minimum of 24 hours. Reassemble the system after air drying. Wash with normal procedure and sanitize prior to processing. See your CDI representative for a full passivation procedure, tailored to your exact needs. *(Before using vessel, it is required to rinse with potable water and sanitize according to public health standards.)*

Note: Procedure is developed for passivation of Stainless steel. Sensitive alloys may require milder concentrations

SAFETY

DANGER: CAUSES SEVERE BURNS TO SKIN AND EYES. HARMFUL OR FATAL IF SWALLOWED. Contains nitric and phosphoric acids. Avoid contact with skin or eyes. Do not take internally. Wear safety goggles and rubber gloves when handling. Do not mix with chlorine containing products, as it will cause a release of chlorine gas. DO NOT use on galvanized iron.

[For more detail about product handling & safety info, please refer to the Safety Data Sheet](#)