

CRIMSON NPK Acid

GENERAL DESCRIPTION

Crimson NPK 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 NPK Acid low foaming characteristic enhances cleaning action when applied by circulation, spray, or agitated soap cleaner. It has been specially formulated to be a superior CIP Cleaner and used as a keg cleaner to solve scale formation that develops with standard alkaline cleaners. Its blend of detergent and acid quickly penetrate dried beer and easily dissolve oxalate scale.

As an acid detergent, this blend can clean in a carbon dioxide environment without damaging the keg. Continual use as the main keg cleaner will keep scale free and condition its inner surfaces. **Crimson NPK Acid** can also be used as the main cleaner in bright beer tanks. Its ability to work cold and in Carbon dioxide makes it ideal for this job. It saves time by not requiring carbon dioxide evacuation, and also its cold use will not create "rain storms" in the cooler.

BENEFITS

- ◆ Effectively removes beer stone
- ◆ Penetrates dried beer
- ◆ Low foaming
- ◆ Brightens aluminum surfaces

PROPERTIES

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

DIRECTIONS FOR USE

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 NPK 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. Just prior to reuse sanitize according to local health standards.

Keg Cleaning: Set automatic keg washer to a two-minute wash cycle. The temperature setting should be set between 120-160°F. It is not necessary to evacuate the kegs of CO₂. Make up a solution of **Crimson NPK Acid** at a rate of 1-2 oz. per gallon of water. Pre-rinse kegs with warm water to remove excessive beer. Run kegs as the machine is preset. Sanitize kegs with chlorine dioxide at a rate of 25 to 40 ppm.

Bright Beer Tanks: Pre-rinse tanks with cold water. Do not evacuate to CO₂. Make a solution of **Crimson NPK Acid** at a rate of 2-3 oz. per gallon of water. Circulate the solution for 15-20 minutes 45 to 60°F. If desired some of the wash solution can be used to clean the tap lines during the wash cycle. Rinse bright beer tank and tap lines with potable water. Prior to start up, sanitize equipment with a suitable sanitizing rinse.

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](#)