

# FOOD PREPARATION *Solutions*



## TORNADO

ACID CIP CLEANER



- Concentrated, acid cleaner
- Removes mineral deposits, milk stone, beer stone, and difficult protein deposits on food processing equipment
- Low-foaming, non-fuming formulation
- Ideal for CIP cleaning, food processing and brewery applications



CARE FOR WORK ENVIRONMENTS®

# TORNADO

## ACID CIP CLEANER

### CONCENTRATED CLEANER

State Tornado is a concentrated low foaming acid cleaner designed for the brewery and food processing industries. When used as directed, State Tornado effectively removes hard water build up, beer stone, milk stone and protein deposits on brewery and food processing equipment. This unique blend of wetting agents and acid penetrates and dissolves deposits.

### SAFE AND EFFECTIVE

State Tornado is NSF certified as an acid cleaner (A3) for use in and around food processing facilities, including breweries.

### DIRECTIONS FOR USE:

#### CIP Cleaning

Mix 2 – 6 oz of State Tornado with one gallon water. Circulate through system. Rinse thoroughly with hot, potable water.

#### Brewery Application

Depending on the brew and water conditions, many breweries will include an acid wash to remove hard water build up or beer stone scales. Mix 2 – 6 oz. of State Tornado with 1 gallon of water. Circulate through the system. Rinse thoroughly with hot, potable water. For Brew Kettles, circulate the cleaning solution for 30 – 45 minutes at an ambient temperature.

#### Food Processors

To remove milk stones and heavy protein build up in bakeries, meat processors and beverage processing use State Tornado after the alkaline wash cycle and before the sanitizing process. Mix 2 - 6 oz State Tornado with 1 gallon of water and circulate through the systems for 5 - 15 min.

### Soak cleaning

Mix 2 – 6 oz. of State Tornado with water depending on the severity of deposit build up. Allow to soak for 5 – 15 minutes. For difficult deposits, scrub the equipment as needed. Rinse thoroughly with hot, potable water.

### General cleaning, tank cleaning and manual cleaning

Using a sprayer, spray surfaces with a dilution of 2 – 6 oz. of State Tornado to 1 gallon of water. For difficult deposits, scrub the equipment as needed. Rinse thoroughly with hot, potable water. Do not allow the cleaning solution to dry on surfaces, rewet if needed.

**NOTE:** DO NOT use State Tornado on chrome, brass or other highly polished metal surfaces as irreversible damage may occur. Do not mix State Tornado with other chemicals and cleaners.

### TECHNICAL DATA

**APPEARANCE:** colorless, liquid

**PH (CONCENTRATED) :** <1.0

**ODOR:** mild acid

**VOC (%) :** 0

**BULK DENSITY (LB / GAL):** 9.8

For SDS information, log on to [www.stateindustrial.com](http://www.stateindustrial.com)

## PACKAGING

117578	55 Gallon Drum
112103	20 Gallon Drum
112102	5 Gallon Pail



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