

### APPLICATIONS

**Reflex™** is a new generation no-rinse one step acid sanitizer used in the dairy, food and beverage processing industry for CIP and COP pipeline, silo, tank and equipment cleaning and sanitizing processes. With regular use **Reflex™** will prevent the formation of milkstone, beerstone and lime scale deposits. Primarily for use on stainless steel and plastic materials. It is safe to store **Reflex™** in stainless steel tanks. Do not use on aluminum.

### PROPERTIES

**Reflex™** has a high oxidation potential and is very reactive. It exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold or warm water. **Reflex™** contains no phosphates. Product is stable for a minimum of 6 months under normal conditions. It ultimately degrades to nitrogen, oxygen, water, and acetic acid (vinegar).

### FEATURES

- No phosphates
- No rinse needed on food/beverage contact surfaces
- Peroxygen chemistry leaves no residues
- Nitric acid becomes nitrate in wastewater
- For land applied discharges, the nitric component reverts to nitrogen
- Reduces CIP process times and reduces water use
- Economical use at 1 fl oz per 6 gal of hard water.

### CHEMICAL COMPOSITION

**Reflex™** is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, nitric acid, proprietary ingredients, and water.

|                                       |         |
|---------------------------------------|---------|
| Peracetic acid (% wt.)                | 21-23   |
| H <sub>2</sub> O <sub>2</sub> (% wt.) | 4.5-5.2 |
| Nitric Acid Conc.                     | 6-10%   |
| Phosphates (as PO <sub>4</sub> )      | None    |

### PHYSICAL PROPERTIES

|                                 |                |
|---------------------------------|----------------|
| Density 20°C (68°F), (g/mL)     | 1.16-1.20      |
| pH (10% solution), 20°C (68 °F) | <1             |
| Flashpoint (°C)                 | >98°C (207° F) |
| Freezing Point                  | <-12°C (10° F) |

### APPEARANCE

Clear, colorless liquid (pungent vinegar-like odor)

### STORAGE

The **Reflex™** container must be **stored in an upright position**. The storage area should be well ventilated and **shaded from sunlight** as well as protected from sources of radiant heat. Store this product at temperatures where the bulk liquid will not exceed 86°F / 30°C. Contamination of the product, especially metal ions (such as brass, copper or iron) and alkali, must be avoided.

### SHELF LIFE

At least 6 months without notable losses of active oxygen if stored properly.

### PACKAGING

5 gal (40 lb), 53 gal (490 lb), and 300 gal (2780 lb). Available in HDPE plastic pails, drums, and totes.

### TRANSPORT (DOT)

UN1908, Chlorite Solution, 8, PG II. Contains Sodium Chlorite.

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