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1315 Belmeade Drive, Kingsport, TN 37664, Toll Free: (888) 355-6004, Tel: (423) 343-7552  
Fax: (423) 343-7553, E-mail: sales@bartassociates.com, Website: www.bartassociates.com

# Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of May 13, 2002.

## WATER SCALE SOLVENT

# ALIMEX

## A WATER SCALE SOLVENT SAFE FOR ALUMINUM

Alimex is a water-based chemical formulated to safely clean lime scale and corrosion from water-wetted surfaces. It contains wetting agents, corrosion inhibitors and degreasing compounds to help penetrate and carry away the scale and corrosion. This product is specifically designed to be used on equipment that contains aluminum that cannot be safely cleaned with other scale removing compounds.

When used as directed, Alimex is non-corrosive and will not affect the following metals: aluminum, stainless steel, carbon steel, brass, admiralty metal, copper, iron, lead, PVC plastic, polyethylene, rubber, leather, and most other materials found in water-wetted equipment. Alimex is not recommended for zinc, galvanized steel, or alloys of magnesium.

This product is non-toxic, non-corrosive, and non-flammable when used as directed. It is biodegradable and can be safely put to the sewer in the spent condition.

Alimex has a built-in indicator which changes color when the solution is 95+ percent spent. When the solution begins to turn blue, it should be added to or changed if the equipment is not clean.

## DIRECTIONS

Alimex is designed to be used at ambient temperatures above 35°F. It is most effective when circulated through the equipment to be cleaned. When possible, circulation should be up-flow. Alimex can also be used by filling the equipment to be cleaned and allowing it to set until the scale disappears. When cleaning exposed surfaces (such as fin fan coolers), Alimex should be periodically sprayed on the surface until the scale disappears. In all cases, fresh water should be used to rinse the clean surface free of Alimex. The cleaning operation normally takes two to six hours. The equipment should be vented at all times since carbon dioxide (CO<sup>2</sup>) gas evolves during the dissociation of lime scale.

When the cleaning process is complete, the system should be completely drained and flushed with fresh water.

## PHYSICAL PROPERTIES

|                         |            |
|-------------------------|------------|
| Specific Gravity        | 1.162      |
| Freezing Point          | 28.4°F     |
| Boiling Point           | 208°F      |
| Flash Point             | None       |
| Temperature of Reaction | Negligible |

Recommended operating pressure is atmospheric and recommended operating temperature range is:

|         |       |
|---------|-------|
| Minimum | 40°F  |
| Optimum | 80°F  |
| Maximum | 140°F |

## METHOD OF APPLICATION

Alimex solution is most effectively used by circulating it through the equipment to be cleaned. When possible, circulation should be up flow. The equipment should be vented at all times since carbon dioxide ( $\text{CO}_2$ ) gas is liberated from the disassociation of the lime scale.

## ALIMEX PUMP AND HOSE HOOK-UP

