



Descaler SF (AFCO 3196)

GENERAL DESCRIPTION

Descaler SF (AFCO 3196) is a free-flowing inhibited inorganic acid type descaler. It has been scientifically formulated using Sulfamic acid together with inhibitors to provide safety in handling and reduced corrosive attack.

AFCO 3196 is generally recommended for removing scale on exterior and interior surfaces of boilers, heat exchangers, vats, shackles, kettles, stainless steel equipment, etc. and for removing cement, plaster, lime, etc., from brickwork, stone and ceramic surfaces. It rapidly attacks calcium and magnesium salts and oxides.

PHYSICAL PROPERTIES

Appearance	:	Free-flowing, white granules
pH (1% solution)	:	1.5
Odor	:	Negligible
Solubility	:	Complete

DIRECTIONS FOR USE

Use dilution normally varies according to the type and thickness of the scale.

Interior Descaling and Soak Cleaning:

Make a 5 to 10% solution by weight and allowing about one hour's exposure for each 1/32 inch of scale. Maintain solution temperature between 150 to 175°F (65.5 to 79.4°C). When scale is removed, drain, rinse with clear water and neutralize system with an alkaline cleaner such as *Spur (AFCO 3233)* (using ½ to 1 ounce per gallon (4 to 8mL/L) of water). Then drain again and rinse.

Exterior Cleaning:

A suggested starting solution strength is 5 to 10% by weight. Apply to surface at warm temperatures and allow to react with scale deposit before rinsing off. Scale dissolution rate is progressively increased with increasing temperatures.

Shackle Cleaning:

Use four ounces* of *AFCO 3196* per gallon (31.25mL/L) of water needed to fill soak tank. Operate line speed at

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normal rate and make sure shackles are completely covered with cleaning solution when in the soak tank to allow for complete cleaning.

* Higher concentration may be needed if heavily soiled.

Acid Wash:

Use ½ to 2 ounce(s) [4 to 16mL] of *AFCO 3196*. Follow with potable water rinse.

CORROSION DATA

1. When used as directed, *AFCO 3196* will not corrode stainless steel, mild steel, iron or copper.
2. However, avoid use on aluminum or galvanized.
3. *AFCO 3196* eliminates pitting and stress cracking on stainless steel.
4. *AFCO 3196* produces no corrosive gases.

SAFETY

Safe to handle and offers minimum hazard on skin or clothing in dry form. Avoid eye contact. Skin contact may cause irritation. In solution, treat as an acid. Consult the product's Safety Data Sheet (SDS) for complete safety information.

NOTES

AFCO 3196 is USDA acceptable for use in federally inspected meat, poultry and food processing plants.