



**GENERAL DESCRIPTION**

Foam 140 Alkaline Process & Research Cleaner is a heavy duty, concentrated all-purpose cleaner with excellent soil emulsification and dispersing properties. When used with suitable foaming spray equipment, this product develops clinging foam to increase cleaning contact time and to reduce overall labor costs. Foam 140 cleaner is particularly effective against fats, oils and organic soils typically found in pharmaceutical and cosmetic manufacturing pilot laboratories and animal research facilities. This product is intended for use on internal and external processing equipment, laboratory equipment and facility surfaces such as walls and floors. When used as directed, the product can be safely used on most common types of metal and plastic surfaces.

**FEATURES**

**BENEFITS**

Alkaline compatible surfactant system

Excellent cleaning with one self-foaming product. No additives required.

High-foaming system

Enhanced contact time allows more effective cleaning of difficult-to-remove oily or organic residues.

Free-rinsing formula

Minimizes detergent residues and overall cleaning time.

**PHYSICAL PROPERTIES**

Form.....Light yellow, clear liquid  
 Odor.....Slight chemical  
 Specific gravity (77°F [25°C]).....1.18, typical  
 pH (undiluted).....13.0, typical  
 pH (1% w/w).....12.1, typical  
 Solubility.....Complete  
 Foam.....Clinging foam  
 Rinsing.....Excellent  
 Phosphates.....None

**DIRECTIONS FOR USE**

For superior foam application, the product should be used at 2-3 oz/gal (1.6-2.3% v/v), in suitable pressurized foam equipment. As a general spray, the product can be used at 1-8 oz/gal (0.8-6.2% v/v), depending upon the particular application. STERIS will help you establish the optimum operating criteria for your application and can recommend suitable foaming equipment to meet your specific application needs.

**TESTING FOR FOAM 140 ALKALINE CLEANER**

Use Cage-Klenz® Test Kit EQ1411 which contains Indicator A and Acid 5.

Concentration ounces per gallon	(0.4%) 0.5	(0.8%) 1.0	(1.2%) 1.5	(1.6%) 2.0	(2.2%) 2.5	(2.4%) 3.0	(2.8%) 3.5	(3.2%) 4.0
Drops of Acid	2	5-6	7-8	10-12	13-15	15-16	18-19	21-23

Test Kit EQ1411 contains Acid 5 (1N HCl) and Indicator A (phenolphthalein). The sample solution is measured by filling a small vial (9 cc) that comes with the kit. This solution is then transferred to the large vial. Add three drops of Indicator A. The solution should turn pink. Now add Acid 5, one drop at a time, until the sample turns colorless and stays colorless upon swirling. The number of drops required to complete the titration is counted and recorded. Compare with chart above. A control using the Indicator A and make-up water should be run and subtracted from the test value.

## **STORAGE AND DISPOSAL**

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### **Storage**

This product should be stored in an area where it is not exposed to extreme temperatures. Product may freeze. Swirls and precipitate may occur in frozen material, but readily go into solution when thawed and mixed.

### **Disposal**

Flush with plenty of water to the sanitary sewer. Dispose of in accordance with local, state and federal regulations.

## **SERVICE**

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### **Sales**

Service is one of the most important ways to verify consistent quality of the facility's performance and operation. A tailored service program by STERIS provides effective, trouble free operations.

### **Technical**

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

## **PRECAUTIONS**

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Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet (MSDS) for the product. For additional information, call 314-535-1395.

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**For further information, please contact:**

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