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**SAFE SCRUB® ST Liquid Cleaner**  
Operating Instructions

**PRODUCT DESCRIPTION**

SAFE SCRUB® ST liquid cleaner is a heavy-duty soak tank degreaser used to remove oils, coolants and other soils from iron and steel components. Supplied as a liquid concentrate, SAFE SCRUB ST cleaner mixes easily with water, rinses freely and has high oil holding capacity.

SAFE SCRUB® ST liquid cleaner works effectively with any metal finishing process -- blackening, phosphatizing or electroplating -- without the bothersome caustic dusting or undissolved powder at the bottom of the tank seen with powdered cleaners. This product is especially useful on automatic process lines where it can be metered into the process tank.

**OPERATING CONDITIONS**

Bath Makeup	For light soils: 10% by volume: 120-140° F For heavier soils: 20% by volume: 150-160° F
Immersion Time	5-10 minutes
Equipment Construction	Tank: Mild Steel, stainless steel or plastic Immersion heaters: 304 stainless steel.
Ventilation	Desirable. Some water vapor is generated.
Agitation	Desirable for densely loaded racks

## **BATH MAINTENANCE**

As the SAFE SCRUB® ST absorbs oils from processed parts, its cleaning efficiency will gradually diminish. Fresh concentrate should be added to keep the bath up to strength, as follows:

When an oil slick develops on the liquid surface, or if the parts are not water-break free when rinsed, it is time to add SAFE SCRUB® ST liquid concentrate. Add an amount equal to about one fourth of your original makeup.

For example, in a 100 gallon tank, your original makeup would normally require 20 gallons of SAFE SCRUB® ST concentrate. Replenishing the tank would call for one fourth of that amount, or about five gallons. This addition should eliminate the oil slick and restore normal operation.

When the total replenishment equals the same volume of concentrate used for original bath makeup, it is time to dump the bath and mix a fresh bath for optimum cleaning efficiency.

## **PACKAGING**

1, 5 gallon pails and 55 gallon non-returnable drums. Store indoors in closed container.

***Before Using This Product – Please Read, Understand and Follow all the Precautions shown on the Product Label and on the Safety Data Sheet.***

**The Safety Data Sheet can be found on our website: [www.birchwoodtechnologies.com](http://www.birchwoodtechnologies.com)**

**Use Appropriate Warning Labels on any Container used to Store or Apply this Product.**

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