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SAFE SCRUB® ETCH Cleaner
Operating Instructions

PRODUCT DESCRIPTION

SAFE SCRUB® ETCH Cleaner is a heavy-duty alkaline cleaner and micro-etchant for aluminum surfaces that prepares the aluminum surface for blackening in LUMICLAD® Black Oxide. Supplied as a liquid concentrate, SAFE SCRUB® ETCH Cleaner contains biodegradable surfactants for free rinsing and effective cleaning on all aluminum alloys.

OPERATING CONDITIONS

Bath Makeup	For light soils: 20% by volume, 70-80° F For heavier soils: 20% by volume, 90-130° F
Immersion Time	10 minutes
Equipment Construction	Tank: Polypro, stainless steel Immersion heaters: 304 stainless steel
Ventilation	Usually not needed. No chemical fumes
Agitation	Desirable for densely loaded racks or heavier soils Use CPVC vertical pump

BATH MAINTENANCE

As the SAFE SCRUB® ETCH Cleaner bath absorbs oils from processed parts, its cleaning efficiency will gradually diminish. Fresh concentrate should be added to keep the bath up to strength. When the etching activity slows noticeably, add liquid concentrate in an amount equal to about 25% of the original makeup.

For example, in a 100 gallon tank, the original makeup would require twenty gallons of liquid concentrate. Replenish the tank by adding about 4-5 gallons of concentrate.

When the total replenishment equals the original makeup quantity, dump and re-mix the bath.

PACKAGING

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:

<https://www.birchwoodtechnologies.com/Downloads/Safety.html>

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

NOTE: The information contained herein is provided in good faith and is believed to be correct as of the date below. However, Birchwood Laboratories LLC makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, Birchwood Laboratories LLC will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

SAFE SCRUB® ETCH Cleaner
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