

# Technical Data Sheet

## CLEANER SSP-140

**CLEANER SSP-140** is a general purpose, low foam, heavy-duty, alkaline cleaner primarily designed to clean steel. Typical application would include cleaning steel prior to plating, phosphating, or blackening. It's high capacity for emulsifying and holding oils makes it ideally suited for removal of stamping compounds, drawing compounds, antirust oils and heavy machine oils.

**CLEANER SSP-140** is ideal for use prior to Haviland's **ANOKLEEN #2-S** electrocleaner for thorough preparation of steel surfaces for electroplating. It can be used either for rack or barrel plating operations and no rinse is necessary between **CLEANER SSP-140** and **ANOKLEEN #2-S**.

### OPERATING PARAMETERS

Concentration	8 - 12 oz/gal
Temperature	130 - 160°F
Cleaning Time	1 - 5 minutes
Tank and Heating Coils	Steel

### BATH PREPARATION

Fill the process tank 2/3 full of water and heat to 125°F. Add the required amount of **CLEANER SSP-140** slowly with continuous stirring to dissipate the heat that is formed in solution and to prevent settling of the cleaner. Finally, adjust the tank volume and temperature to normal operating levels.

### CONTROL

1. Take a 10 ml sample of the cleaner solution and put into a beaker.
2. Add 8 to 10 drops of Methyl Orange indicator.
3. Titrate with 1.0N Hydrochloric Acid (HCl) to a red endpoint.
4. Calculation:

$$(\text{mls HCl titrated}) \times (\text{N HCl}) \times 0.76 = \text{oz/gal of CLEANER SSP-140}$$

### WASTE DISPOSAL

**CLEANER SSP-140** is a high alkali, low phosphate cleaner. Neutralization with acid to a pH of 6.0 to 8.5 is often all that is needed before discharge, if soils are non-hazardous. In all cases, check with local authorities for specific parameters for discharge.

### SAFETY AND HANDLING

This is an industrial strength alkaline cleaner and should be handled accordingly. It is important that direct contact with body tissue and eyes be avoided. Accidental contact should be thoroughly rinsed with running water for a minimum of 15 minutes. The wearing of proper protective clothing such as eye protection and rubber gloves should be standard practice. For further safety information refer to the M.S.D.S.

### NON-WARRANTY

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