

# Technical Data Sheet



**HAVILAND  
PRODUCTS CO.**

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## **ACO 8800 HD** Non-Etching Non-Silicated Cleaner for Aluminum

**ACO 8800 HD** is excellent for removing heavy oils and job soils and leaves no smut and will not attack parts. **ACO 8800 HD** is especially recommended for bright parts.

### Features

#### **Versatile**

#### **Temperature Range**

#### **Economical**

#### **Wetting**

#### **Waste Disposal**

### Benefits

Will work on almost all kinds of oil used in the aluminum industry ranging from extrusion to stamping oils.

Good for emulsification of motor oils.

Works within a wide range, from 120 to 160°F depending on the kind of oil to be removed.

Used at 4 to 8 ounces/gallon.

Excellent surface tension reduction with good water break free surface.

Contains biodegradable surfactants, therefore only pH adjustment is required.

### **APPLICATION**

Concentration	4 – 8 oz/gal
Temperature	120 – 160°F
Immersion Time	1 – 10 minutes
Equipment	Mild steel

### **ANALYTICAL PROCEDURE FOR CONTROL**

1. Pipette 10 ml sample of the solution to be tested in a 250 ml Erlenmeyer flask.
  2. Add 8 to 10 drops of Methyl Orange indicator to flask.
  3. Titrate with 1.0N Hydrochloric Acid (HCl) to a red endpoint.
- Calculation

$$(\text{ml HCl titrated}) \times (\text{N HCl}) \times 2.67 = \text{oz/gal of ACO 8800 HD}$$

### **SAFETY AND HANDLING**

**ACO 8800 HD** is slightly alkaline and could be irritating to some personnel. Rubber gloves should be worn when transferring this material to the process tank. For further safety information see the M.S.D.S.

### **NON-WARRANTY**

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