

# DATA SHEET

## DEVECO 6059-T

**Deveco 6059-T** is a carefully balanced, highly caustic soak and electrocleaner containing 100% active ingredients and no insoluble matter. It is designed for both anodic and cathodic cleaning of all ferrous metals and copper alloys.

**Deveco 6059-T** is an uniformly blended powder that is readily soluble in water, can be used in manual or automatic equipment, removes all types of oil, dirt and smut, and contains no insolubles nor forms insolubles with contaminants. It has high current capacity, and is effective at low-current densities.

**Deveco 6059-T** has excellent emulsifying, wetting, penetrating, non-filming and water softening properties. It removes drawing compounds from stamping, soap and lubricants from extrusions, lubricants from cold drawn parts, and smut from acid pickling.

### MAKE-UP AND CONTROL:

#### **Deveco 6059-T (Soak & Electroclean)**

Make-up:	8 - 12 oz/gal
Temp:	140 - 212°F
Time:	30 sec - 5 minutes
Tank:	Steel
Voltage	6 to 10 volts (Anodic)

### TEST KIT ANALYSIS PROCEDURE:

- ★ Use the syringe to transfer 1 cc of the sample to a clear glass bottle.
- ★ Add about 10 mls of water and 1 or 2 drops of phenolphthalein indicator to the sample.
- ★ While "swirling" the solution, add 1.0N hydrochloric acid (HCl) dropwise until the solution turns clear. Make note of the number of drops used.

**Calculation: Oz/gal Deveco 6059-T = 0.25 times the # of drops 1.0 N HCl**

### ANALYSIS PROCEDURE BY TITRATION:

- ★ Add 10 ml sample of solution to an Erlenmeyer flask.
- ★ Add 50 mls deionized or distilled water
- ★ Add 3 - 4 drops of methyl orange indicator.
- ★ Titrate with 1.0N Hydrochloric Acid. End pt: Yellow → Orange/Red.

**Calculation: Oz/gal 6059-T = 0.63 times mls 1.0 N HCl**

***If a pH meter is used instead of methyl orange, titrate to a pH of 4.0***

**Deveco 6059-T**  
**Page 2 of 2**

**ALTERNATIVE TITRATION PROCEDURE:**

- ★ Add 10 ml sample of solution to an Erlenmeyer flask
- ★ Add 50 mls of DI or distilled water
- ★ Add 3 - 4 drops of phenolphthalein indicator
- ★ Titrate with 1.0N hydrochloric acid. End pt: Red/pink → Colorless

**Calculation: Oz/gal 6059-T = 0.7 times mls 1.0 N HCl**

**CAUTION:**

This product is extremely caustic. When handling this product, protective clothing, i.e. rubber apron, gloves, boots, and goggles should be worn. In case of contact, flush contaminated area with a large amount of cold water and contact a physician.

**Read Material Safety Data Sheet before using this product.**

**DISCLAIMER:**

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**Product data sheets/KA019**

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