

DATA SHEET

DEV-KLEEN 253

Dev-Kleen 253 is a heavy-duty, all-purpose, liquid alkaline cleaner designed to remove stubborn soils from ferrous metals in both soak and electrocleaning operations.

As a strong alkaline cleaner, **Dev-Kleen 253** will typically remove cutting oils, drawing and stamping compounds, coolant residues, buffing compounds, dirt and metal fines.

Dev-Kleen 253 is low foaming and therefore can be used in both rack and barrel operations.

MAKE-UP AND CONTROL:

DEV-KLEEN 253 AS A SOAK CLEANER:

| | |
|------------------------------|---------------|
| Dev-Kleen 253 | 2 – 5% |
| Dev-Kleen EAHD (to emulsify) | 0.2 - 0.5% |
| or | |
| Dev-Kleen SA (to split) | 0.2 - 0.5% |
| Temperature | 180 - 200°F |
| Time | 3 - 6 minutes |

DEV-KLEEN 253 AS AN ELECTROCLEANER:

| | |
|---------------|---------------|
| Dev-Kleen 253 | 5 – 10% |
| Temperature | 150 - 180°F |
| Time | 3 - 6 minutes |

ANALYSIS:

TITRATION KIT PROCEDURE:

- Use the syringe to transfer 2 cc's 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 1.0 N Hydrochloric Acid (HCl) dropwise until the solution turns clear. Make note of the number of drops used.

Calculation: % Dev-Kleen 253 = $0.30 \times \# \text{ of drops of HCl used}$

LABORATORY TITRATION PROCEDURE:

- Take a 10 ml sample of the solution.
- Add about 50 – 70 mls of water and 3 or 4 drops of phenolphthalein indicator to the sample.
- Titrate with 1.0 N Hydrochloric Acid (HCl) until the solution turns clear.

Calculation: %Dev-Kleen 253 = $1.5 \times \text{mls } 1.0\text{N HCl used}$

CAUTION: This product is extremely caustic in nature. Contact of the solution with skin or eyes should be avoided. In case of contact, flush contaminated area with a large amount of water. When handling this product, protective clothing, i.e. rubber apron, gloves, boots, and goggles should be worn.

Read Material Safety Data Sheet before using this product.

DISCLAIMER:

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