

DATA SHEET

DEV-KLEEN 3K-LF

Dev-Kleen 3K-LF is a heavy duty, potassium based liquid alkaline cleaner designed to remove all types of soils from ferrous substrates, including cutting oils, drawing compounds, coolant residues, smuts, dirt, and metal fines.

The low foaming wetting agents used in Dev-Kleen 3K-LF lead to the rapid loosening and dispersing of dirt and oils, and will split most oils from the cleaning solution, allowing skimmers to remove oil from the cleaning system, creating a economical cleaning system with a long tank life.

MAKE-UP AND CONTROL:

- ◆ Concentration 1 – 3%
- ◆ Temperature 120 - 160°F
- ◆ Time 30 seconds - 3 minutes

Characteristics:

- ◆ Appearance at room temperature Light yellow liquid
- ◆ Specific gravity 1.21
- ◆ lbs/gal 9.97
- ◆ pH at 5% 12.8

ANALYSIS:

- ◆ Pour a 100 ml. sample into a 250mL Erlenmeyer flask.
- ◆ Add 2 to 3 drops of Phenolphthalein indicator solution. The solution will turn a reddish-purple color.
- ◆ Titrate with 1.0N HCl to a clear end-point.

Calculation: % Dev-Kleen 3K-LF = mls HCl x 0.37

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:

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate. No warranty or guarantee expressed or implied is made regarding the performance of any products, since the manner of use is beyond our control. No suggestion for product use or anything contained herein shall be construed as a recommendation for its use in infringement of any existing patent and we assume no responsibility or liability for operations which do infringe any such patents. The above includes confidential and proprietary information of Deveco Corporation and is furnished to you for your use solely on products or processes supplied by us to you.

Dev-Kleen 3K-LF Test Kit

ANALYSIS:

- ◆ Use the syringe to transfer 10 ml. of the sample to a clear glass bottle.
- ◆ Add 1 or 2 drops of phenolphthalein indicator.
- ◆ While “swirling” the solution, add 1.0N hydrochloric acid (HCl) dropwise until the solution turns clear. Make note of the number of drops used.

Drops. 1.0 N HCl

- 6
- 13
- 19
- 26
- 33

Dev-Kleen 3K-LF Concentration

1%
2%
3%
4%
5%