

Dev-Kleen N-2

Dev-Kleen N-2 is a low-temperature, heavy duty, liquid, **neutral** cleaner designed to remove many types of soils from various metals. **Dev-Kleen N-2** will typically remove cutting oils, drawing and stamping compounds, coolant residues, greases, smuts, dirt, and metal fines.

The particular wetting agents used in **Dev-Kleen N-2** provide fast wetting and for rapid loosening/dispersing of dirt and oils from steel, copper, brass, aluminum and zinc die casts.

Dev-Kleen N-2 has the following advantages:

- Liquid formulation for easy additions and is suitable for automatic pump applications.
- Effective in all equipment: Soak, spray, cylindrical screw conveyor, and air-agitation.
- Functions exceptionally well at **low temperatures**, reducing energy costs.
- Prevents scale build-up on tank walls, pipes, nozzles and steam coils.
- Has long life and is economical to use.
- Fast dispersion of soils
- Low foaming
- Effective with all types of metal
- Neutral pH operation
- Rapid smut removal

MAKE UP:

Dev-Kleen N-2	3 to 8% Soak or spray cleaning
Dev-Kleen EA (Emulsifying Addtv)	0.3 to 0.8% (soak - when increased foam isn't a problem)
or	
Dev-Kleen SA (Splitting Addtv)	0.3 to 0.8% (soak - when increased foam isn't a problem)
Temperature:	80 to 150 °F 90 to 100 °F (optimum)
Time:	3 to 6 minutes soak cleaning
	1 to 3 minutes spray cleaning

For soak cleaning applications, the concentration may need to be increased if agitation is low or cleaning loads are heavy. For heavier greases, the temperature may need to be increased to 130 – 150 °F.

TYPICAL SPECIFICATIONS:

Appearance (room temp.)	Yellow liquid
Specific Gravity	1.076
pH at 100%	8.45
lbs/gal	8.98

ANALYSIS:

- Take a 100 ml sample of the operating solution.
- Transfer this solution to a 200 ml beaker and place it on a magnetic stirrer.
- While stirring, immerse the electrode of the pH meter carefully, into the sample, record the pH, then titrate with 1.0 N HCl to a pH of 5.5. Titrate drop-wise when approaching 5.5 so as not to go over.

Calculation: % Dev-Kleen N-2 = 1.3 x mls of 1.0N HCl

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TEST KIT PROCEDURE

- Take a 10ml sample using syringe included in kit.
- Discharge contents into clear bottle.
- Add 3-4 drops methyl orange indicator.
- Add 1.0 N HCl drop-wise (counting each drop) until solution changes from orange to red.
- Refer to table below for concentration.

Drops	% Dev-Kleen N-2
3-4	1%
4-5	2%
5-6	3%
6-7	4%
7-8	5%
8-9	6%
9-10	7%
11-12	8%
12-13	9%
13-14	10%

Read Material Safety Data Sheet before using this product.

DISCLAIMER:

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