

Vulclean SP-2050

Multi-purpose cleaner

Description

Vulclean SP-2050 is a mild alkaline, liquid cleaner, designed for the removal of shop soils, lubes, oils, coolants and chips from ferrous surfaces. It may also be used for tumbling operations. **Vulclean SP-2050** contains anti-oxidants that provide excellent anti pitting and corrosion protection.

Performance Benefits

- Low foaming at room temperature.
- Splits out oils for easy skimming and long bath life.
- Leaves parts clean with no tacky residues
- Superior in-process corrosion protection that lasts 4 to 6 weeks eliminating rust stripping operations on processed work.
- Effective cleaner for steel, stainless, cast iron, and titanium

Recommended Applications & Dilutions

	Concentration	Temperature Range
Spray / Flood	5% to 10%	140°F to 170°F
Immersion	5% to 10%	140°F to 170°F
Ultrasonic	3% to 6%	140°F to 170°F
Vibratory	3% to 6%	Ambient to 170°F

Parts coming out of the washer should be blown off using hot air

Though suitable for multi-metal cleaning, we recommend that yellow metals and some aluminum alloys be rinsed with clean water to remove any residual alkaline residues.

Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear amber liquid
Appearance of Dilution	-	Visual	Clear
Odor	-	-	Mild
pH (typical operating range)	-	-	10
Density @ 15°C	lbs/gal	-	8.7
Nitrites	-	-	No
Silicates	-	-	No
Phenols	-	-	No

Concentration Control

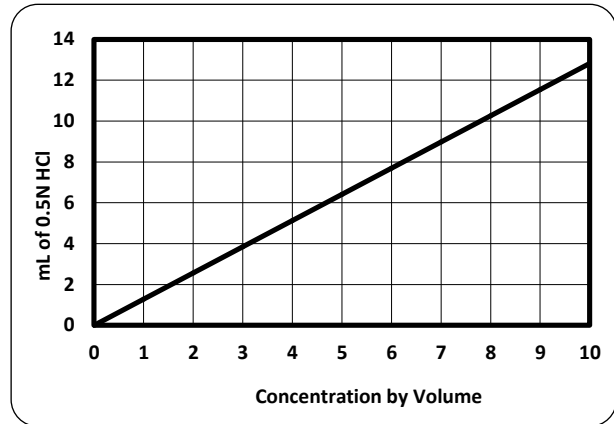
Titration Method:

Titration Factor: 0.78

1. Accurately measure 50mL of the in-use fluid into a flask
2. Titrate to pH of 4.6 with 0.5N HCl

Concentration = mL of 0.5N HCl X Titration Factor

mL of 0.5N HCl	% Concentration
6.4	5
7.7	6
9.0	7
10.3	8



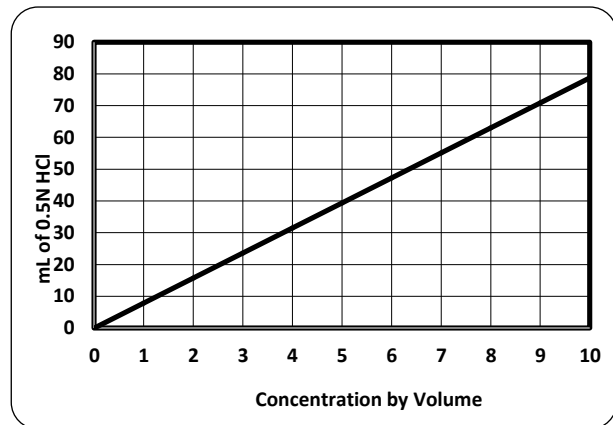
Dropper Method:

Dropper Factor: 0.127

1. Measure 10mL of the in-use cleaner into a small flask using a 5mL disposable syringe.
2. Add 2-4 drops of Bromphenol Blue indicator to the cleaner, swirl to mix. Sample should turn a dark blue.
3. Add 0.5N HCl dropwise to until sample turns yellow

Concentration = Drops of 0.5N HCl X Dropper Factor

Drops of 0.5N HCl	% Concentration
40	5
48	6
55	7
63	8



Concentration measurement using a refractometer is not recommended. However, it can be used on fresh charges. The multiplier is 4.63.