COOLANT CONTROL INC.

PRODUCT BULLETIN

Vulclean RP-13632

Heavy duty, multi-purpose cleaner

Description

Vulclean RP-13632 is a moderately alkaline cleaner and corrosion inhibitor engineered to remove shop soils, oils, and coolants from ferrous alloys. Parts cleaned with **Vulclean RP-13632** exhibit excellent corrosion protection for indoor storage and covered transport.

Performance Benefits

- Superior Rust Protection
- Very versatile product. Can be used in immersion or spray applications.
- Does not foam and tends to float oil.
- Does not contain free caustic.
- Can be used in ambient applications
- Hard water stable.
- Does not contain any Sara 313 listed components.

Recommended Applications & Dilutions

	Concentration	Temperature Range
Spray / Flood	5% to 10%	Ambient to 170°F
Immersion	5% to 10%	Ambient to 170°F
Ultrasonic	5% to 10%	Ambient 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	Light Amber liquid
Appearance of Dilution	-	Visual	Clear
Odor	-	-	Mild
pH (typical operating range)	-	-	10
Density @ 15°C	lbs/gal	-	8.2
Nitrites	-	-	No
Silicates	-	-	No
Phenols	-	-	No

5353 Spring Grove Ave
Cincinnati, Ohio 45217

www.coolantcontrol.com
ISO-9000 and 14000 certified

Phone: 800-535-3885
Fax: 513-471-2721

Concentration Control

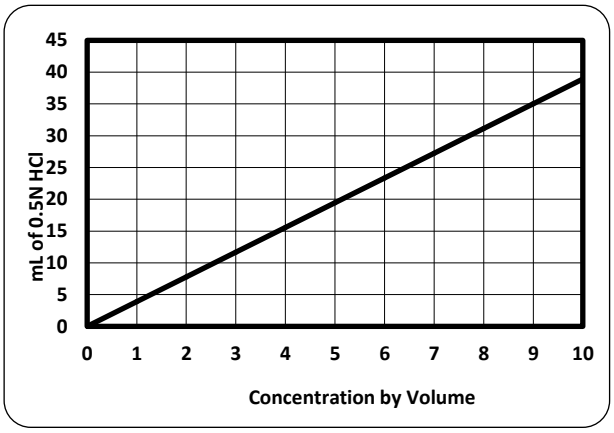
Titration Method:

Titration Factor: .257

1. Accurately measure 100mL or 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
19.5	5
23.3	6
27.2	7
31.1	8



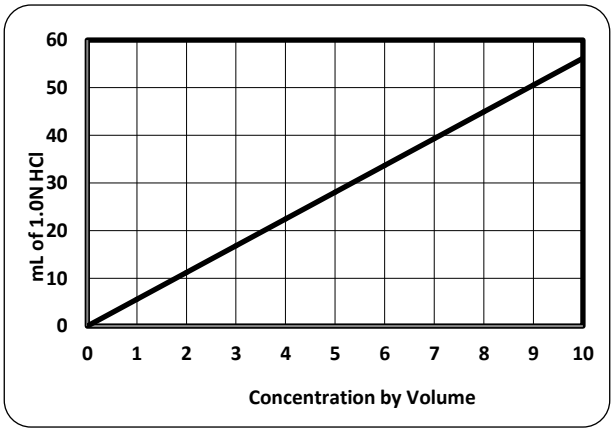
Dropper Method:

Dropper Factor: 0.178

1. Measure10mL 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 1.0N HCl dropwise to until sample turns yellow

Concentration = Drops of 1.0N HCl X Dropper Factor

Drops of 1.0N HCl	% Concentration
39	7
45	8
50	9
56	10



Concentration measurement using a refractometer is not recommended.

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