



**COOLANT  
CONTROL<sup>INC.</sup>**

*The right chemistry...*

*...the right solution*

## Product Bulletin

# Vulclean SP-2225

## Moderately Alkaline Spray Cleaner

### Description

**Vulclean SP-2225** is a low alkaline, liquid compound, designed for the effective removal of dirt, chips, coolants, oils and lube compounds from ferrous and non-ferrous parts. Utilizing the newest innovative technology, **Vulclean SP-2225** has excellent cleaning capabilities and provides a non-spotting, non-tacky surface on the cleaned parts that offer 45-60 days of in-door rust protection.

### Performance Benefits

- Effective on ferrous and non ferrous metals such as copper, brass, bronze and most aluminum alloys
- Low foaming at operating temperatures
- Does not emulsify oil
- Does not contain nitrites or phosphorous
- Excellent rust protection

### Recommended Applications

**Vulclean SP-2225** should be used in spray washer applications at a rate of 1% to 4% by volume at temperatures ranging from 130°F to 140°F for non-ferrous metals and 140°F to 160°F for ferrous metals.

### Typical Characteristics

Appearance	Clear liquid, mild odor
Specific Gravity @72F	1.14 to 1.18
pH (3% solution in water)	11.0 to 11.5
Refractive Index Factor	3.33

## Measuring Concentration of Vulclean SP2225 by Titration

### Procedure:

1. Measure 10mL of in-use Vulclean SP-2225 cleaner into a small flask using a 5mL disposable syringe.
2. Add 2-4 drops Phenolphthalein indicator to 10mL sample, swirl to mix. Sample should turn a dark pink.
3. Add 0.5N HCl dropwise to until sample turns colorless.

Percent Concentration	Drops of 0.5N, HCl
1	5
2	11
3	15
4	20
5	24
6	28
7	34
8	39
9	44
10	49