



# CC-20 Cleaner

## Product Description

A low foam alkaline cleaner designed to remove process oils, gummy deposits of oil, grease, swarf and normal shop soils from machine tools, floors and other hard surfaces. It combines organic and mineral alkalinity builders, detergents, water conditioners and deodorizer for optimum performance.

## Typical Properties

Appearance-concentrate .....	Clear blue liquid
Appearance-dilution .....	Transparent liquid
Odor .....	Slight
pH @ 20:1 .....	10.8 +/- 0.3
Specific Gravity @ 60° F .....	1.02 +/- 0.01
Lbs./Gallon .....	8.50 +/- 0.1
Flash Point TCC° F .....	None

## Advantages

- Powerful Detergency
- Non Ozone Depleting
- Mild Odor
- Versatile
- Superior Oil Rejection
- Low Foam
- No Flash Point
- Economical

## Application

The primary application of CC-20 Cleaner is for cleaning machine tool coolant sumps and surfaces. CC-20 Cleaner can also be used for general shop cleaning with mop and bucket, auto-scrubber, or spray washer.

## Recommended Starting Dilutions

Most cleaning applications	20:1 @ 70°F - 110°F
Heavy Deposits of soil and sludge	10:1 @ 70°F - 110°F
Added directly to old coolant	2-4% by volume

## Use Directions

1. Drain sump or system as completely as possible.
2. Remove any solids from sump or system.
3. Add 1 gallon of CC-20 Cleaner for each 20 gallons of coolant capacity.
4. Fill sump with water to normal operating level and allow to circulate for a period of at least 4 hours.
5. While cleaner is circulating, use a rag or brush to remove stubborn deposits on machine surfaces and in coolant troughs. Allow fluid to wash material into the sump.

## CC-20 Cleaner Product Bulletin (con't).

### Alternative Sump Cleaning Procedure (for minimal loss of productivity)

6. Remove cleaner and all solids from the sump.
7. Fill sump to normal operating level with water and add 1 gallon of CC-20 Cleaner for each 100 gallons of water and allow to circulate for a least 1/2 hour.
8. Remove fluid from the sump.
9. Immediately recharge machine with the appropriate amount of metalworking fluid at the correct dilution and allow to circulate for at least 1/2 hour to insure protection against corrosion.

1. Add CC-20 Cleaner directly into present coolant at a rate of 2-4% by volume.
2. Run production for a period of 1-2 shifts.
3. Remove coolant/cleaner mixture and any chips.
4. Fill sump with enough water to circulate through pump and coolant lines.
5. Remove rinse water.
6. Immediately recharge with fresh coolant at the correct dilution.

### Safety and Handling

Avoid contact with eyes and prolonged contact with the skin. Wash thoroughly after handling. Minimum contact with this and all chemicals is a good policy to follow along with reading the Material Safety Data Sheet.

### Storage

Store in cool, dry area. First in first out stock rotation is recommended.

### Container Size

5 gallon pails, 55 gallon drums and 330 gallon totes.

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