

Vulclean SC

Low foam machine tool sump and machine cleaner

Description

Vulclean SC is a low foaming, safe, concentrated cleaner, formulated for the rapid removal of chips, soils and bio-film in coolant systems. **Vulclean SC** will provide short-term corrosion protection to freshly cleaned systems. It can be used to clean large central systems as well as individual machine sumps and recycling units.

Performance Benefits

- Quickly breaks down and removes insoluble scum deposits hidden in lines and difficult to reach areas.
- Very hard water tolerant allowing it to be effective in both plain water or used coolant
- When used as directed below, this product is compatible with Cutrite and Orion brand synthetic, semi-synthetic, and soluble oil coolants, as well as most competitive coolants.
- Will remove heavy soils from machines without affecting paints, coatings, seals, hoses, or skirting, and it won't leave a slippery residue
- Short-term corrosion inhibitors prevent flash rusting of machine surfaces and ways

Recommended Applications & Dilutions

Vulclean SC should be used as directed below. It is helpful to use a high flow sump vacuum such as an air driven sump sucker.

Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear yellow liquid
Appearance of Dilution	-	Visual	Clear liquid
Odor	-	-	Mild
pH (typical operating range)	-	-	10.3
Density @ 15°C	lbs/gal	-	8.7
Nitrites	-	-	No
Silicates	-	-	No
Phenols	-	-	No

PREFERRED METHOD FOR CLEANING MACHINE TOOLS AND CENTRAL SYSTEMS

1. Add 1%-3% Vulclean SC into the in-use fluid contained in the machine sump and run machine as normal for at least 24 hours or more for best results. If the machine runs high pressure through-the-tool for significant amounts of time, the cleaner may cause some foam, keep a defoamer, such as Defoamer D or Defoamer NS, available during this process.
2. After the Vulclean SC has circulated for at least 24 hours, pump out the sump and remove all chips, sludge, residue and swarf. Remember to clean out overflow areas and flumes.
3. Spray down the machine with a 10%-15% solution of Vulclean SC and water solution using a general-purpose applicator garden sprayer. Scrub out the chips, sludge, and any other residues from all interior and exterior surfaces including tool changer areas, high-pressure sumps and filter canisters.
4. When possible, pull out the sump, remove the conveyor and clean all surfaces of the sump and conveyor including screens, covers and the pumps themselves with the 10%-15% Vulclean SC solution. When complete remove all fluid, chips swarf, grime and sludge.
5. Replace conveyor and sump; fill the sump with enough water to circulate the pumps and mix in 3%-5% Vulclean SC. Circulate this cleaning solution through the coolant system for 30-60 minutes.
6. Pump out as much of the rinse water as possible and recharge with fresh coolant at the designated concentration.
7. After circulating for 30 minutes check the concentration and make the necessary adjustments to insure the coolant is within the designated concentration range.

QUICK CLEANING METHOD (FOR NONCRITICAL INTERIM CLEANING)

1. Add 1%-3% Vulclean SC into the in-use fluid contained in the machine sump and run machine as normal for at least 24 hours or more for best results. If the machine runs high pressure through-the-tool for significant amounts of time, the cleaner may cause some foam, keep a defoamer, such as Defoamer D or Defoamer NS, available during this process.
2. Spray down the machine with a 10%-15% solution of Vulclean SC and water solution using a general-purpose applicator garden sprayer. Scrub out the chips, sludge, and any other residues from all interior and exterior surfaces including tool changer areas, high-pressure sumps and filter canisters.
3. Remove cleaning fluid from the sump and chip conveyor and clean out all chips.
4. Recirculate with a 1% solution of Cutrite or Orion brand coolant for 10-30 minutes
5. Remove 1% rinse fluid and recharge at specified concentration
6. After circulating for 30 minutes check the concentration and make the necessary adjustments to insure the coolant is within the designated concentration range.