



Coolant tank

ADVANTAGES:

- Extend coolant life
- Hard water stable
- Fast-acting
- Cost effective
- Reduce bacteria
- Mix at 2% solution

Proper machine clean-out and fill procedure is listed on reverse side.

Call: 330-283-3965
330-283-5157

MULTI CLEAN SUMP CLEANER (MCSC)

ADVANCED CHEMICAL SOLUTIONS PRESENTS:

MCSC is a highly concentrated, fast acting formulated cleaner designed to quickly break down and lift off oily residue, insoluble coolant scum and bacteria deposits hidden in lines and machine sump areas.

MCSC will remove heavy soils from machines without affecting paint, coating, seals or hoses and will not leave a slippery residue.

Compatible with Advanced Chemical Solutions brand synthetic, semisynthetic, and soluble oil coolants, as well as most competitive coolants.

ADVANCED CHEMICAL SOLUTIONS

150A Allen St.
Orrville, Ohio 44667
216-692-3005
330-283-3965

www.advchems.com

ADVANCED
CHEMICAL SOLUTIONS inc.
metalworking specialists

Machine Coolant Clean-out and Charge-up

The clean-out and charge-up procedure is broken down into three steps; beginning with the old fluid in the sump and ending with the new fluid in the sump.

CLEANING AND CHARGING EQUIPMENT:

- Long handled scrub brush
- Sump Sucker
- Rubber Gloves
- Waste Fluid Container
- Advanced Chemical Solutions MCSC

CLEAN

After removal of the old coolant, the machine must be cleaned. An effective clean-out consists of removing all chips, swarf and physical build up on the machine, as well as circulating MCSC through the coolant system.

Chips, swarf and sludge should be vacuumed out after removing the coolant. A MCSC solution of 2% should be circulated through the coolant system, for a minimum of 30 minutes. While this is taking place, any machine surfaces not touched by the recirculating cleaner should be scrubbed by hand using the long-handled brush. The goal is to get the machine as clean as possible.

RINSE

After removing MCSC from the sump it is imperative that the machine be rinsed. Even a small amount of cleaner left behind in the system can destroy the coolant and cause foam issues. The most effective way to rinse the machine is to fill the sump with a 2% solution of the new coolant and cycle it through the system, making sure it covers all machine surfaces. This should be cycled for about twenty minutes, then remove and discarded.

FILL

After removing the rinse solution, it is important to charge the machine as soon as possible with the product recommended for this machine. Metal working fluids need to be mixed a certain way in order for their chemical makeup to be correct. The best way to remember the proper technique is by the acronym **OIL**.

O – oil

I – in

L – last

Always mix oil-based emulsions this way:

Slowly introduce the fluid concentrate into the water while stirring vigorously or purchase a drum proportioner. Pre-mixed to the desired concentration(6-8%), and then added to the sump. This guarantees a homogeneous emulsion or solution.

