



## PRODUCT BULLETIN

# Introducing Cooling System Flush

***Australia***

**2008**



## **Cooling System Flush**

### **Introduction**

Cooling System Flush (CSF) is in keeping with manufacturers warranty conditions, and is a formulated cooling system flush that is at the cutting edge of technology in order to “stay ahead” of cooling system corrosion problems. As such, we are able to supply our customers with the very latest cooling system cleaning product. Cooling System Flush meets and far exceeds the requirements of the following OEM’s.

*Cummins - Caterpillar - Mack - Volvo - Mercedes Benz - GM - Toyota - Ford - Scania – Detroit - And all other major engine manufacturers.*

The requirements of these engine manufacturers is such that the system must be flushed once per year to stay within the warranty requirements.

### **Description**

CSF is a specially formulated liquid for removing sludge, grease, sinter and scale from radiators and engine water jackets. CSF is non acidic, solvent-less, biodegradable environmentally responsible product that is safe to use in systems that contain a host of dissimilar metals such as aluminium alloy, copper, brass and solder as well as both cast iron and steel. It will not adversely affect water pump seals or radiator hoses. CSF complies with all manufacturers warranty requirements and OEM standards.

### **Directions for Use**

- Drain half the system of coolant (water) and add 250 to 500mls of CSF to each 10ltr of radiator water (For information call 1300 302 949).
- Open heater and run at operating temperature for at least 30 minutes (**Must be Hot**)
- If oil has entered the system add Cooling System Flush at 500mls / 10 litres and then drive for 45 minutes (**Must be Hot**)
- If equipped with overflow tank clean and flush also.
- After equipment’s system has reached required flushing time, fluids must be drained out **HOT**.
- After system has cooled flush cooling system with compressed air and water (Radiator and block done separately) until no foam remains.
- Replace thermostat and add the appropriate amount of FluidMasters Cooling System Conditioner and the cooling system should then be refilled, preferably with rain water.

**NOTE:** The product may be left in the system and the vehicle driven for a week or more to ensure the cleansing of stubbornly dirty systems. No damage will result in this procedure, however, welsh plugs that may have pin holes that are covered by rust may become leaky. This should be watched out for.

### **FluidMasters' Onsite Services**

**Onsite Cooling, Transmission, Gear Box, Power Steering and Differential Servicing. Keep your equipment onsite and let us come to you.**

Many operators are simply not carrying out the services on their cooling systems nor their transmissions, gear boxes, differentials, power steering because of time and other factors such as the need to move equipment from site to a service agent if they are to be serviced. Simply not feasible yet this dilemma had to be rectified.

Over the last 10 years FluidMasters have built and refined a unique service system that is fitted inside our service vans and can be taken to the equipment operator instead of them having to bring their machine to a service centre or garage.

The van includes a unique pumping system designed by FluidMasters that power pressures with air to fully extract old oil and coolant, fully flushes the system and finally accurately refills with new oil or coolant to exact measurements.

This service also does the job professionally by using a powerful flushing concentrate product that is hell on dirt but kind to the machines components. Power flushing the system removes all debris, scale and dirt, as well as other contaminants within the system. The operator simply cannot carry out a service like this. Many operators just add inhibitor to the system without flushing at all, which is in direct contradiction to their manufacturer handbooks.

For the operator who considers time as invaluable and simply does not have the necessary equipment to carry out his servicing correctly we offer a very valuable service. We make an appointment with an operator and come directly to them and carry out the necessary flush and change service. Call 1300 302 949 for information.

**MATERIAL SAFETY DATA SHEET**

**IDENTIFICATION**

**PRODUCT NAME:** Cooling System Flush  
**SYNONYMS:** N/A  
**UN NUMBER.:** N/A  
**POISONS SCHEDULE:** N/A  
**DANGEROUS GOODS CLASS:** N/A  
**SUB CLASS:** N/A  
**HAZCHEM:** N/A  
**POISONS SCHEDULE:** N/A  
**USE AND APPLICATION:** As a cooling system flush.

**PHYSICAL DESCRIPTION / PROPERTIES**

**APPEARANCE:** Mobile bluish coloured liquid.  
**BP / MP (°C):** >100 / <0  
**FLASH POINT (°C):** N/A  
**VAPOUR PRESSURE:** N/A  
**FLAMMABILITY LIMITS - LEL** Not known      **UEL** Not known  
**VOLATILES** <80%  
**AUTOIGNITION TEMP:** N/A  
**SPECIFIC GRAVITY:** 1.05  
**pH:** 9

<b>COMPOSITION:</b>	<b>PROPORTION</b>
Biodegradable surfactants	High
Water conditioners	Low
CAS No.	N/A

**HEALTH HAZARDS**

**SWALLOWED:** May cause nausea, abdominal pain and vomiting.  
**SKIN:** If on skin, wash off with soap and water.  
**EYE:** Irritant in spray form  
**INHALATION:** Low hazard.

**FIRST AID**

**IF SWALLOWED:** If poisoning occurs, contact a doctor or poisons information centre. If swallowed, do NOT induce vomiting.  
**SKIN:** If skin contact occurs, remove clothing and wash off with soap and water. Remove and launder clothing before re use.  
**EYE:** If contacted in the eye, flood with water for at least 15 minutes and seek medical advise immediately.  
**INHALATION:** Move to fresh air.

**SAFE HANDLING INFORMATION**

**STORAGE AND TRANSPORT**                      No special requirements.  
**SPILLS AND DISPOSAL:**                      Spillage's will be slippery. Wash away with water  
**FIRE AND EXPLOSION HAZARD:**              Low hazard.

**PRECAUTIONS FOR USE**

**EXPOSURE LIMITS:**                              Not established.  
**VENTILATION:**                                      Use in ventilated areas.  
**PERSONAL PROTECTION:**                      The wearing of gloves and goggles is recommended.  
**FLAMMABILITY:**                                      Non flammable.

**CONTACT POINT:**

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**PLEASE NOTE:**

We believe that the information contained herein is reliable. but we shall not be liable for any inaccuracy of the information or for any loss, Injury, or damage whatsoever or howsoever arising which may result.