

AC-13 RADIATOR FLUSH

PRODUCT DATA SHEET

Radiator system flush and descaler for use when changing engine coolant

Use - AC-13 is a highly effective liquid form radiator flush and descaler.

PRODUCT INFORMATION

AC-13 is a concentrated cooling system cleaner and de-scaler. AC-13 is highly effective in removing oil, grease, sludge, scale and other impurities in cooling systems. And is ideal for use when changing coolants to a fresh new refill. Austech Chemicals Offer a wide range of coolant options

* see coolant information sheets for more details.



BENEFITS

AC-13 is buffered for use with aluminum components. Contains corrosion inhibitors to protect reactive metals in the cooling system. AC-13 is non-foaming and economical to use. AC-13 is economical to use.

Removes Rust and Scale Deposit - Over time rust and scale deposits build up within the radiator. A flush helps to remove these deposits which get pushed out with the old anti-freeze. This is important since these build ups can cause overheating or even damage your radiator.

Removes Contaminants - A flush completely drains the system of the old anti-freeze which means that any contaminants that have made their way into the system will be flushed out as well. The additives in the coolant can lose important anti-corrosive properties over time which leads to the build up of particles. A radiator flush will remove these particles from the system.

Inspection of System - Most places will perform a complete inspection of your cooling system when they do a radiator flush. They will use pressure tests to check for leaks in the system. This should be included in the price of the flush and if it isn't it might be best to go somewhere else.

Protect Against Rust and Foam- The new anti-freeze will have additives that help prevent rust and build up. It will also prevent foaming in the system which helps it operate efficiently.

IMPORTANT: AC13 is an alkaline. Avoid contact with skin and eyes. **DO NOT** leave AC13 in cooling system for more than 48 hours. AC13 must be completely removed prior to addition of new coolant ensure system is well drained.

TYPICAL PROPERTIES

Appearance:	Clear Liquid
Odour:	Slight Odour
pH (4% solution)	11.7
Flammable:	Non flammable
Hazard Class:	Hazardous Substance
DG Class:	Non Dangerous Goods
Solubility:	Soluble in Water / Coolant
Specific Gravity:	<i>Not applicable</i>

PRODUCT CODES / QUANTITIES

A/AC13/350	350ml Plastic Bottle (Carton of 12)
A/AC13/1	1L Plastic Bottle (Carton of 12)
A/AC13/5	5L Plastic Bottle (Carton of 4)
A/AC13/20	20L Plastic Cube
A/AC13/200	200L Drum
A/AC13/IBC	1000L IBC

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HOW TO PERFORM A RADIATOR FLUSH

Preparing the Vehicle.

Your car's radiator and cooling system needs to be clean to be cool. As time goes on, your car's radiator builds solid deposits that can clog the cooling system. A quick, inexpensive radiator flush can keep the system in shape. It's important to change your antifreeze seasonally. Before you start your radiator flush, make sure you have everything you need.

What you'll need to perform a radiator flush:

- Phillips head screwdriver or wrench (whichever your radiator drain requires)
- Cloth rag
- AC-13 - Radiator Flush solution
- Recommended Austech suitable Coolant
- Funnel
- Used coolant receptacle

***Be sure to let your engine cool completely before you loosen or remove the radiator cap. Hot coolant can be painful!**

Draining the radiator and Cooling System.

The first step in your radiator and cooling system flush is to drain the old coolant from the radiator. Using your owner's manual, locate your radiator's drain plug. It could be anywhere along the bottom of the radiator, and will be either a screw plug, bolt plug or a petcock (simple drain valve). Be sure you have your used coolant receptacle in place under the drain before you open it up. With your coolant catcher underneath the drain, unscrew it and let the coolant empty completely. If you have a screw or bolt type radiator drain plug, remove it completely. If your radiator has a petcock, open it all the way.

***IMPORTANT: Coolant can be very dangerous to pets. It tastes sweet to them but ingesting it can be fatal. Be sure not to leave any -- even a small puddle -- where an animal could drink it.**

Add the Radiator Flush Cleaning Solution.

Once all of the coolant has drained from the radiator, replace the drain plug and remove the radiator cap. Add 350ml of AC-13 Radiator Flush solution to the radiator, then fill it to the top with water (**Ratio: 350ml of radiator flush per 6 liters of cooling system capacity**). Replace and tighten the radiator cap. Start the vehicle and let it run until it gets to its operating temperature. Turn your heater on and move the temperature control to the hottest position. Let the car run for 10 minutes with the heater on. (Total Run time 30Mins) Turn the car off and wait for the engine to cool off. If the radiator cap or metal radiator is hot to the touch, it's still too hot to open.

***IMPORTANT SAFETY REMINDER: Do not attempt to loosen or remove the radiator cap while the engine is hot. Serious injury can result!**

Drain the Radiator Flush Solution.

Once the engine has cooled down, open the drain and completely empty the contents of the radiator. Depending on the size of your coolant receptacle and cooling system, you might have to empty it into a separate container to make room for the second draining. No matter what, never pour coolant on the ground!

Refill the Radiator

Now that you have performed a radiator and cooling system flush, all you need to do is refill the radiator with fresh Austech Chemicals Recommended suitable coolant product for your vehicle. Replace the radiator drain plug or fully close the petcock. Using a funnel to eliminate spills, fill the radiator with a 50/50 mixture of coolant and water. With the radiator filled, go ahead and fill the plastic coolant reservoir if your car has separate openings, again with a 50/50 mix.