

# KNOW YOUR COOLANT

# FLUSH BEFORE YOU FILL

## Purpose of Coolant

The primary function of a coolant is to transfer heat away from the combustion process in the engine. It is also critical in protecting metals in the cooling system against corrosion.

## Glycol

The main function of ethylene glycol in coolant is to offer anti-freeze and anti-boil protection. Water is an effective heat transfer fluid by itself, however it has a limited operating temperature range. When water is combined with Glycol, the formulation offers a lower freezing point & a higher boiling point than either fluid used on its own.

## Types of Coolants

Coolants are classified as either Type A or Type B according to AS2108:2004. This is the Australian Standard for passenger car & light commercial vehicles in Australia.

### Type A Coolants

- Contain above 20% glycol content
- Offer anti-freeze anti-boil protection
- Nearly all new car manufacturers will recommend a Type A product

### Type B Coolants

- Contain below 20% glycol content
- Offer minimal or no anti-freeze anti-boil protection
- Generally referred to as corrosion inhibitors

## Organic Vs Conventional Coolants

Conventional style coolants are created using older technology, but have a solid performance history. This traditional type of coolant will have a shorter life span than organic & is generally suited to earlier model vehicles.

Organic coolants are manufactured using a new process referred to as Organic Acid Technology (OAT). This process provides the ability to increase the coolants life span due to low chemical depletion rate.

Organic & Conventional style coolants are not compatible.

## Corrosion

There are many types of corrosion that can occur in a cooling system, which is why a coolant with a good quality corrosion inhibitor package is required. Tectaloy coolants all contain an inhibitor package that provides maximum protection against corrosion.



### MUKOWT RADIATOR FLUSH



Tectaloy Plus MUKOWT is an ideal cooling system cleaner and pre-conditioner for use prior to filling with conventional coolants and inhibitors. Its gentle acting alkaline solution is very effective at removing oil and sludge.

- Cooling system cleaner
- Alkaline based
- Assists in the removal of oil & sludge
- Recommended between flushes to clean and pre condition system

PRODUCT CODE	SIZE
TE610	500mL

### HD2 HEAVY DUTY RADIATOR FLUSH



Tectaloy Plus HD2 Heavy Duty Radiator Flush is safe to use in all vehicles, HD2 is a fast acting acid based radiator flush which is effective in removing rust, scale, oil & sludge from the cooling system. Improves the efficiency & will maximise the performance of organic based coolants in your system.

- Heavy duty cooling system cleaner
- Specially developed for trade use
- Acid based formula
- Ideal for use when attempting to remove rust, scale, oil & sludge from the system

PRODUCT CODE	SIZE
TEHD21L	1L

### STOP LEAK RADIATOR STOP LEAK



Tectaloy Plus Radiator Stop Leak is an emergency fix, designed to be specifically compatible with the complete Tectaloy range of coolants and inhibitors. It will quickly seal leaks in radiators, heaters, thermostat housings and water pumps.

- Seals leaks in the cooling system
- Effective at controlling gasket seepage
- Enables system to operate until repairs can be made

PRODUCT CODE	SIZE
TESL500	500mL

# GO THE DISTANCE WITH ALL NEW FORMULAS.



# COOLANTS & RADIATOR TREATMENTS

Proudly 100% Australian Made



VISIT US TODAY AT

**TECTALOY.COM.AU**

# COOLING SYSTEM TIPS

- Do not mix coolants. Different chemical formulations can cause fouling and overheating.
- Use a flush. Preparation of your engine ensures maximum coolant life.
- Always use the correct amount of coolant.
- Always use the best quality water available.
- When changing coolant check the condition of the thermostat, radiator cap & all hoses.
- Use service stickers to mark date of coolant installation.
- Contact your local EPA for advice on how to dispose of used coolant.
- Always make sure heaters are open when changing coolant.
- Always make sure that your engine is cool before checking coolant levels.

## QUICK COOLANT GUIDE



	60 PLUS	UNLTD RTU PREMIX	UNLTD CONCENTRATE
LIFE SPAN	4 years / 120,000km	10 years / 1,000,000 km	10 years / 1,000,000 km
ANTI BOIL PROTECTION	122°C	125°C	129°C
ANTI FREEZE PROTECTION	-2°C	-19°C	-37°C
CORROSION PROTECTION	100%	100%	100%
TYPE	Type B	Type A	Type A
ORGANIC OR CONVENTIONAL	Conventional	Organic	Organic



## READY TO USE, PRE-MIX

Tectaloy Unltd Ready to Use Pre-Mix is an Organic Acid Technology coolant. It is pre-mixed to 33% glycol and is an Anti Freeze/Anti Boil radiator coolant. Designed to meet the demands of everyday passenger vehicles where extra cooling system protection is required, e.g. towing heavy trailers or caravans, or during summer periods.



### Type A Organic Coolant

- 10 Years, 1,000,000 km
- Premixed to 33% glycol
- Anti-boil: 125°C
- Anti-freeze: -19°C
- 100% corrosion protection
- Contains ethylene glycol 369g/L

COLOUR	PRODUCT CODE	SIZE
GREEN	TUPG1L	1L
	TUPG5L	5L
	TUPG20L	20L
RED	TUPR1L	1L
	TUPR5L	5L
BLUE	TUPB5L	5L

## CONCENTRATE

Tectaloy Unltd Concentrate is the latest development in extended life technology, offering maximum Anti Freeze/Anti Boil & corrosion protection for your cooling system. Recommended for all vehicles to current model manufacturing standards including petrol, diesel, gas, supercharged, turbocharged, and stationary engines.



### Type A Organic Coolant

- 10 Years, 1,000,000 km
- Anti-boil: 129°C
- Anti-freeze: -37°C
- 100% corrosion protection
- Contains ethylene glycol 1065g/L

COLOUR	PRODUCT CODE	SIZE
GREEN	TUG1L	1L
	TUG5L	5L
	TUG20L	20L
RED	TUR5L	5L
	TUR20L	20L
BLUE	TUB5L	5L



## GENERAL PURPOSE

Tectaloy 60 Plus is a conventional pre-mixed radiator coolant designed for general purpose use. Formulated to protect against overheating, aluminium corrosion, general rust & heat transfer loss. 60 Plus is designed to meet the demands of normal passenger vehicles under light to normal driving conditions. Silicate, phosphate and amine free.



### Type B Conventional Coolant

- 4 Years, 120,000 km
- Anti-boil: 122°C
- Anti-freeze: -2°C
- 100% corrosion protection
- Contains ethylene glycol 65g/L

COLOUR	PRODUCT CODE	SIZE
GREEN	T60PG1L	1L
	T60PG5L	5L



## XTRA COOL

### CORROSION INHIBITOR CONCENTRATE



### Type B Organic

- 2 Years, 40,000 km
- Treats up to 10L
- Keeps cooling water clean and rust free
- Reduces corrosive attack on aluminium and cast iron surfaces
- Contains ethylene glycol 369g/L

COLOUR	PRODUCT CODE	SIZE
GREEN	TEX500	500mL

## XTRA COOL GOLD

### CORROSION INHIBITOR CONCENTRATE



### Type B Organic

- 3 Years, 100,000 km
- Treats up to 15L
- 100% corrosion protection
- Exceed Australian Standard AS 2108-2004
- Contains ethylene glycol 280g/L

COLOUR	PRODUCT CODE	SIZE
GREEN	TEXG1L	1L
	TEXG20L	20L
	TEXGR1L	1L
RED	TEXGR20L	20L