



# Fortron COOLING SYSTEM FLUSH

Revision:01  
Dated 15<sup>th</sup> June 2009  
Doc. No MSDS 17  
Page 1 of 4

## Material Safety Data Sheet

NON HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA (formerly ASCC and NOHSC)

### Section 1 Identification of the Preparation and the Company

#### 1.1 Identification of the preparation

Product name: Fortron COOLING SYSTEM FLUSH  
Other Names: COOLING SYSTEM FLUSH  
Product code: FCF – 325mL Plastic Bottle  
FCF10 – 10 litre plastic container  
FCF20 – 20 litre plastic container  
Intended use: Add 500mLs to automotive cooling system to flush away sludge, grease or scale.

#### 1.2 Identification of the Company

Manufacturer: Fortron Automotive Treatments Pty Ltd  
14-18 Sangiorgio Court  
Address: Osborne Park  
Perth WA 6017  
Country: Australia  
Telephone: +618 9202 7800 (Monday – Friday 8:00 am – 5:00 pm)  
Facsimile: +618 9202 7851  
Web site: www.fortron.com.au  
Australian emergency phone number: Poisons Information Centre. Phone (eg Australia 13 1126; New Zealand 0800 764 766).

### Section 2 Hazard Identification

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS;

The product is not classified as hazardous according to the criteria of Safe Work Australia (formerly ASCC and NOHSC). It is not a Scheduled Poison. It is not a dangerous good.

#### RISK PHRASES

None

### Section 3 Composition/Information on Ingredients

The product is a water based cooling system flush which contains no hazardous ingredients at concentrations above the concentration cut-offs specified by Safe Work Australia.

| Name   | CAS Number    | Concentration w/w |
|--|---------------|-------------------|
| Tetrapotassium pyrophosphate                     | 7320-34-5     | <10%              |
| Sodium gluconate                                 | 527-07-1      | <10%              |
| Other ingredients determined to be non-hazardous | Not available | Balance           |

### Section 4 First-aid Measures

**EYES:** If in eyes, hold eyelids apart and flush the eye continuously with running water for 15 minutes. Seek medical attention if any irritation or discomfort persists.

**SKIN:** Remove contaminated clothing. Rinse the affected area with water then wash thoroughly with soap and water. Use water alone, if soap is unavailable. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

**INGESTION:** NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING. If the person is conscious, rinse mouth out with water ensuring that mouthwash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek medical attention. For advice, contact a Poisons Information Centre (phone eg Australia 131 126; New Zealand 0800 764 766).

**INHALATION:** Due to the low volatility of the product, first aid is unlikely to be required as a result of inhalation. However, if necessary, remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek medical attention.



# Fortron COOLING SYSTEM FLUSH

Revision:01  
Dated 15<sup>th</sup> June 2009  
Doc. No MSDS 17  
Page 2 of 4

ADVICE TO DOCTOR: Treat symptomatically.

## Section 5 Fire-fighting Measures

**FIRE HAZARD:** Non-Combustible. Unlikely to pose any additional hazard in a fire situation.

**PRECAUTIONS:** Wear self-contained breathing apparatus. Keep containers as cool as possible by spraying with water, from a protected position.

**EXTINGUISHING MEDIA:** Extinguish using whatever is suitable for the primary cause of the fire

## Section 6 Accidental Release Measures

Spills may be slippery. Remove unnecessary personnel from the affected area. Wear protective equipment as specified for handling. If possible, dam the spill. Cover with an absorbent such as earth, sand or a commercial oil absorber. Sweep up and collect in sealable containers. Dispose to approved landfill. Residues may be flushed away with copious water.

## Section 7 Handling and Storage

**HANDLING:** Avoid contact with the skin or eyes. Wear protective equipment as specified in Section 8.

**STORAGE:** No special requirements.

## Section 8 Exposure Controls / Personal Protection

**EXPOSURE STANDARDS:**

None specified for the product nor any of its ingredients

Exposure standard represents the airborne concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. The exposure standard can be of three forms; time-weighted average (TWA), peak, or short term exposure limit (STEL).

**BIOLOGICAL LIMIT VALUES:** None allocated.

**ENGINEERING CONTROL:** None identified

**PERSONAL PROTECTION:** Safety goggles and PVC or natural rubber gloves.

## Section 9 Physical and Chemical Properties

|                      |                |
|----------------------|----------------|
| Appearance           | Mobile liquid. |
| Odour                | Negligible     |
| Solubility           | Miscible       |
| Ph: 1% Solution      | Not pertinent  |
| Boiling point        | ~100°C         |
| Melting Point        | ~0°C           |
| Flash point          | None           |
| Explosive properties | None           |
| Vapour pressure      | Negligible     |
| Specific gravity     | ~1.0           |

## Section 10 Stability and Reactivity

**STABILITY:** The product is stable in normal conditions of use and storage.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May evolve toxic fumes, oxides of carbon and incompletely burned hydrocarbons, if heated strongly enough to evaporate the water content and heat residue to decomposition.

**CONDITIONS TO AVOID:** None identified.



# Fortron COOLING SYSTEM FLUSH

Revision:01  
Dated 15<sup>th</sup> June 2009  
Doc. No MSDS 17  
Page 3 of 4

MATERIALS TO AVOID: None identified.



# Fortron COOLING SYSTEM FLUSH

Revision:01  
Dated 15<sup>th</sup> June 2009  
Doc. No MSDS 17  
Page 4 of 4

## Section 11 Toxicological Information

### HEALTH HAZARDS ACUTE

INGESTION: Irritating. May cause symptoms of stomach pain, nausea and vomiting.

EYE: Mildly irritating.

SKIN: Low hazard. Prolonged contact may cause irritation and dryness.

INHALATION: Product has low volatility and inhalation is not a hazard during normal use.

### HEALTH HAZARDS CHRONIC

Ingestion is the only route of entry into the body. Prolonged or repeated skin contact may contribute to dermatitis.

## Section 12 Ecological Information

Environmental Toxicity: Low

## Section 13 Disposal Considerations

Dispose to approved landfill.

## Section 14 Transport Information

This product is not a dangerous good according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code).

UN Number: None allocated

Proper shipping name: None allocated

DG Class: None allocated

HazChem code: None allocated

Packing group: None allocated

## Section 15 Regulatory Information

Product is not a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

## Section 16 Further Information

Date of Preparation: 15<sup>th</sup> June 2009

Prepared by: C M Ferrins, Consultant Industrial Hygienist

### REFERENCES

1. List of Designated Hazardous Substances [NOHSC: 10005(1999)]
2. National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC: 2011(2003)]
3. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003(1995)] and subsequent amendments
4. Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), 7<sup>th</sup> Edition, 2008

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Fortron Automotive Treatments Pty Ltd's knowledge; However Fortron Automotive Treatments Pty Ltd makes no warranty whatsoever, expressed or implied, or MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Fortron Automotive Treatments Pty Ltd assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

Revision Number: 001 (Re-issued)

Dated 15<sup>th</sup> June 2009