

Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: **Fortron POWER STEERING FLUSH**

Other Names: **FPSF – 70ml cannister**
FPSFB – 200litre metal drums

Recommended Use: A low viscosity inhibited flushing product designed to provide maximum solvency to power steering fluids prior to removal of the old fluid and replacement with new fluid.

Supplier: Fortron Automotive Treatments Pty Ltd
14-18 Sangiorgio Court, Osborne Park
Perth, Western Australia 6017
ACN 008 872 197 ABN 12 008 872 197

Phone: (618) 9202 7800 (Monday – Friday 8.00am – 5.00pm)

Fax: (618) 9202 7851
www.fortron.com.au

Emergency Telephone No: 0433 088 498

2. HAZARDS IDENTIFICATION:

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC.

Hazard Identification: Xn Harmful
Xi Irritant

Risk Phrase: R20 Harmful by inhalation.
R21 Harmful in contact with skin.
R36/38 Irritating to eyes and skin.

Safety Phrase: S2 Keep out of the reach of children
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/38 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS Number	Proportion % w/w
Butane Copolymer	9003-27-4	< 10%
Poly Iso Butane	9003-29-6	< 50%
H Refined Mineral Oil	64742	< 30%
2-Butoxy Ethanol	111-76-2	< 20%
2-Propanol	200-661-7	< 10%

4. FIRST AID MEASURES:

Swallowed:	If swallowed immediately rinse mouth with water. DO NOT induce vomiting. Give plenty of water to drink. Seek immediate medical advice. For advice, contact a Poisons Information Centre. Phone Australia 13 1126; New Zealand 0800 764 766; or a doctor (at once).
Eye:	If contact with the eye(s) occurs, immediately hold the eye open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. If symptoms persist seek medical advice.
Skin:	Wash contaminated skin with soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
Inhaled:	Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patients breathing is difficult and develops a bluish discolouration of the skin which suggests a lack of oxygen in the blood, ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.
First Aid Facilities:	Eye wash facilities and normal wash room facilities.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

Combustible Liquid.	
Extinguishing Media:	In case of fire, use water fog (or if unavailable water spray), foam, dry agent (carbon dioxide chemical powder).
Unusual Fire & Explosion Hazards:	On burning will emit toxic fumes, including those of oxides of carbon.
Fire Fighting Precautions:	Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
Hazchem Code:	Not applicable

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures: Slippery when wet. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing of vapours. Work up wind or increase ventilation.

Methods and Materials for Containment and Clean Up:-

Small Spills/Large Spills: Contain using sand or soil – prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal. Wash area down with excess water.

Dispose off according to State Land Management Authority regulations.

7. HANDLING AND STORAGE:

Precautions for Safe Handling:

Avoid skin and eye contact and breathing in vapours, mists or aerosols. Wear overalls, safety shoes, goggles and neoprene, PVC or natural rubber gloves. If inhalation risk exists wear organic vapour or organic vapour/particulate respirator meeting the requirements of AS1715 and AS1716. Always wash hands before smoking, eating, drinking or using the toilet.

Conditions for Safe Storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials as described in Section 10. Keep containers closed when not in use – check regularly for leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

National Exposure Standards:

	TWA 8hr	STEL 15min
2-Butoxy Ethanol (mineral oil mist)	(20 ppm) 96.9 mg/m ³	(50ppm) 242mg/m ³

Exposure Standard means the average 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. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

Time-weighted average (TWA) is defined as the concentration of that substance over an eight-hour working shift, and apply to an eight-hour day, for a five-day working week over an entire working lifetime. Short Term Exposure Limits (STEL) and Peak Limitations may also be specified for short periods of exposure such as 15 minutes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION: continued

Engineering Controls: Ensure ventilation is adequate to maintain air concentration below Exposure Standards. If inhalation risk exists use with local exhaust ventilation or while wearing organic vapour respirator. Vapour heavier than air – prevent concentration in hollow or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protective Equipment: Avoid prolonged or repeated skin contact. Wear overalls, safety shoes, goggles and neoprene, PVC or natural rubber gloves. If inhalation risk exists wear organic vapour or organic vapour/particulate respirator meeting the requirements of AS1715 and AS1716. Always wash hands before smoking, eating, drinking or using the toilet.

Hygiene Recommendations: Keep an eye wash fountain available.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Liquid, light straw colour
Odour:	Mild. Product specific.
pH:	Not determined
Vapour Pressure:	0.89 hPa
Vapour Density:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Solubility in Water:	Miscible with water
Specific Gravity:	0.6995 – 0.902 @ 20°C
Flashpoint:	140°C
Flammability Limits:	LEL Not assigned UEL Not assigned

10. STABILITY AND REACTIVITY:

Chemical Stability: Combustible liquid.

Conditions to Avoid: Avoid heat.

Incompatible Materials: Reacts with strong oxidising agents.

Hazardous Reactions: On burning will emit toxic fumes, including those of oxides of carbon.



11. TOXICOLOGICAL INFORMATION:

HUMAN HEALTH HAZARDS - ACUTE

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- Swallowed: Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.
- Eye: An eye irritant.
- Skin: Contact with skin will result in irritation. Will have degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant or dermatitis. Can be absorbed through the skin. Effects can include those described for "SWALLOWED".
- Inhaled: Breathing in vapour may produce respiratory irritation. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

12. ECOLOGICAL INFORMATION:

- Ecotoxicity: Avoid contaminating water ways.
- Persistence and Degradability: None established for this product.
- Mobility: None established for this product.

13. DISPOSAL CONSIDERATIONS:

- Disposal Methods and Containers: Dispose according to State Land Management Authority regulations.
- Small Spills/Large Spills: Contain using sand or soil – prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal. Wash area down with excess water.
- Dispose off according to State Land Management Authority regulations.
- Special Precautions for Landfill or Incineration: No special requirements.

14. TRANSPORT INFORMATION:

Not classified as a Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

UN Number: None Allocated

UN Proper Shipping Name:

Class and Subsidiary Risk: None Allocated

Packaging Group: None Allocated

Special Precaution for User: None Allocated

Hazchem Code: None Allocated

Poisons Schedule: S6

Not regulated for transport.

15. REGULATORY INFORMATION:

Hazardous according to criteria of NOHSC.

Hazard Identification: Xn Harmful
Xi Irritant

Risk Phrase: R20 Harmful by inhalation.
R21 Harmful in contact with skin.
R36/38 Irritating to eyes and skin.

Safety Phrase: S2 Keep out of the reach of children
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/38 Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION:

Date of Issue: 16th March, 2009

MSDS Number: MSDS:220

Issue Number: C

Please Note:

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.