

PO Box 14527, Wadeville 1422
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E-mail: oilflow@oilflow.co.za
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MATERIAL SAFETY DATA SHEET

Fleetline Radiator Flush

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Radiator Flush
Manufacturer/Supplier: OILFLOW CC
562 Crocker Road, Wadeville, Germiston, South Africa
1422
Health Emergency Telephone: 011 827 5848
Oilflow Website: www.oilflow.co.za

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Composition	Concentration
Disodium Metasilicate	5< 10%
Phosphoric acid 100%	1-< 2.8%
Benzene	0.001-<0.1
Non-hazardous material	98- 100%

3. HAZARD IDENTIFICATION

Main Hazards: Not hazardous according to OSHA 29 CFR 1910.1200
Health Effects – Eyes: May cause irritation to the eyes.
Health Effects – Skin: No hazard provided normal cleansing is carried out.
Health Effects – Ingestion: No problems expected for minor ingestion. However, for amounts exceeding ½ litre give 1 or 2 glasses of water and call a doctor.
Health Effects – Inhalation: May cause irritation, dizziness or nausea if inhaled over a prolonged period, especially whilst hot.

4. FIRST AID MEASURES

First Aid – Eyes: Flush eyes immediately with fresh water for several minutes while holding the eye lids open. If irritation persists see a doctor.

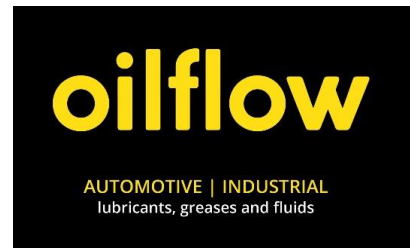
First Aid – Skin: Remove and launder contaminated clothing, including shoes. Wash skin thoroughly with water and soap. Wash skin thoroughly with soap and water.

First Aid – Ingestion: If swallowed and person is conscious, give water or milk to drink seek prompt medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, take the person with product container and label to the nearest medical emergency treatment centre or hospital. Never give anything by mouth to an unconscious person.



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First Aid – Inhalation	If there are signs or symptoms as described in this MSDS due to breathing this material, move the person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor.
Advice to Doctor	This product may present an aspiration hazard. See related comments in this MSDS. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing as adverse effects of aspiration into the lungs may be delayed.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Suitable extinguishing media
Fire Extinguishing Agents	CO2, powder, or water spray. Fight larger fires with water spray or alcohol resistant foam

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill:	Ventilate area.
Personal precautions:	Protective equipment and emergency procedures,
Wear protective equipment:	Keep unprotected persons away

7. HANDLING AND STORAGE

Handling	Precautions for safe handling Ensure good ventilation/exhaustion at the workplace, do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
Storage	Store in a cool location

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes	Avoid eye contact. The wearing of chemical safety goggles or face shield is recommended.
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Skin	Avoid contact with skin or clothing. Skin contact can be minimized by wearing impervious protective clothing including gloves. Protective clothing made from neoprene, nitrile, or n-butyl rubber is suitable in these applications.
Inhalation	May cause irritation to mucus membranes. Move exposed person to fresh air.
Ventilation	No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of this material, engineering controls may be needed. Local exhaust ventilation and/or enclosure of the process is preferred in these cases.
Exposure Limits	None established for product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor	According to product specification Characteristic
Vapor Pr (mmHg@ 25°C)	Low
Density (kg/l at 20°C)	
Vapor Density	Not Determined
Solubility (water)	Soluble
Percent volatile by Volume	Not Determined
Evaporation	Not Determined

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Material to avoid	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50/ Oral/Rat= 143000 mg/kg
Skin Irritation	LD50/Oral/Mouse/=11500 mg/kg
Eye irritation	May cause irritation
No adverse health effects are known or expected under normal use	



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12. ECOLOGICAL INFORMATION

Environmental Effects	Dangerous for the environment if discharged into watercourses. Dangerous for the environment. May cause long-term adverse effects in the aquatic environment. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
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13. DISPOSAL

Waste Disposal	Check governmental regulations and local authorities for approved disposal of this material.
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14. TRANSPORT INFORMATION

Un Class	Not Applicable
DGC	Not Applicable
Proper Shipping Name	Not Applicable
Hazchem Code	Not Applicable
Additional Information	None Determined

15. REGULATORY INFORMATION

Respirator Information	Respirators must follow AS/NZS 1715/1716 standard for approved respirators. In the absence of local approved authorities, follow US NIOSH/MSHA, UK BSI, or joint Australia – New Zealand A/NZS 1715/1716
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16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a



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workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.

First issue date: October 2020

