

MATERIAL SAFETY DATA SHEET



RADIATOR FLUSH

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Radiator Flush
Product Code	716
Product Uses	Additive
Company Name	Lubrimaxx Pty Ltd (ABN 2500 685 0415)
Address	30 Spencer St, Sunshine West, VIC 3020
Telephone Number	(03) 9300 6900
Fax Number	(03) 9312 3239
Emergency Tel.	1800 023 005
Internet Website:	www.lubrimaxx.com

Section 2. HAZARDS IDENTIFICATION

Hazard Classification	Product classified as Hazardous according to NOHSC classifications
Risk Phrase(s)	R22- Harmful if swallow R36/38- Irritating to eyes and skin
Safety Phrases	S2- Keep out of reach of children S20- When using, do not eat or drink

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Name	CAS Number	Proportion (%)
Sodium Silicate	1344-09-8	10-20
Other ingredients determined not to be hazardous	N/A	1-5%
Water	7732-18-5	To 100

Section 4. FIRST AID MEASURES

Inhalation: Remove the source of contamination, vapor, dust, spray or fumes or move the victim to fresh air. If symptoms develop seek medical attention.

Ingestion: Do not induce vomiting. Seek immediate attention. For advice, contact Poisons Information Centre (Phone 131126).

Skin: Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and footwear. Decontaminate footwear and wash clothing before

reuse. Seek medical advice if skin irritation develops

Eye: If contact with the eyes, wash with copious amounts of water for at least 15 minutes. If symptoms persist seek medical attention.

First Aid Facilities: Eye wash and normal wash room facilities.

Advice to Doctor: Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing.

Hazards from Combustion Products: Contact with hot or molten aluminium, lead, tin, zinc and their alloys may liberate highly COMBUSTION flammable hydrogen gas.

Special Protective Equipment: Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) in case of fire.

Section 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: This product is an alkaline liquid. Isolate hazard area and deny entry. Personnel involved in clean up required to wear appropriate personal protective equipment and clothing to minimize exposure. Ventilate spillage area. Isolate the spillage and prevent the material to enter drains, sewers, waterways and soil. Neutralise with a weak acid such as vinegar or citric acid. Bail or pump any free liquid into sealable plastic containers. Seal containers and label them in accordance with the Hazardous Substances Labelling Code Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling: Use in a well ventilated area. Store in cooled, well ventilated, low fire risk area, away from sources of heat or ignition.

Keep lids tightly closed.

Always wash hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage: Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Store away from strong acids, aluminium, lead, tin, zinc and their alloys.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: The TWA National Occupational Health And Safety Commission (NOHSC) exposure standard for mist is 10 mg/m³. As with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls: Use only in well ventilated areas.

Eye Protection: Avoid contact with the eyes. Wear safety glasses or face shield to avoid eye contact or splashing.

Hand Protection: Avoid contact with skin. Impervious gloves recommended. Wear suitable protective clothing.

Body Protection: Not normally required. Where splashing is possible suitable work wear should be worn to protect personal clothing.

Respiratory protection: Do not breathe dust, fumes or vapor. Use approved respirator when exposed to concentration above the exposure limit.

Personal Protection Equipment: Under condition of ordinary use, wear safety goggles, PVC or rubber gloves (any type), long sleeved overalls and boots

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Slimy hazy light yellow liquid
Specific Gravity	1.3 typical
Boiling Point	Not available
Melting Point	Not available
Flash point	Not flammable
pH Value	12 Typical
Flammability	Not flammable
Auto ignition temperature	Not available
Flammable limits	Not available
Solubility in water	Complete soluble

Section 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of storage and handling.

Conditions to Avoid: Heat, direct sunlight, open flames or other sources of ignition.

Incompatible Materials: Strong acids, aluminium, lead, tin, zinc and their alloys

Hazardous Decomposition products: Will generate a large amount of heat when in contact with strong acids.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: This mixture has not been tested for its health effects as a whole. The mixture has been classified as hazardous solely on the basis of the presence of sodium silicate. The toxicology data and health effects given below are those of a sodium silicate solution.

Inhalation: Avoid breathing vapour, dust, sprays or fumes

Ingestion: This product is harmful by ingestion. The high alkalinity is also likely to cause chemical burns to the gastrointestinal tract. May cause vomiting and diarrhoea.

Skin: Will cause irritating to skin. Avoid contact with skin

Eye: Highly irritant to eyes. May cause reddening of the eyes and lachrymation. Corneal damage may occur

Chronic Effects: No data available

Section 12. ECOLOGICAL INFORMATION

Do not allow product to enter waste water, river or creeks. Sodium silicate has not been classified as ecotoxic according to the criteria of the EEC Council Directive 67/548/CEE. However if the pH of the discharge into the environment is above acceptable limits aquatic toxicity may result. An LD50 for fish exposed to concentrations of 300 –500 mg/L for > 96 hrs and an EC50 for crustaceans exposed to 247 mg/L for 100 hrs has been reported.

Section 13. DISPOSAL CONSIDERATIONS

Disposal method: In accordance with government regulations for the disposal of special waste. Always consider the recycling the product.
Contact local council for correct disposal methods

Section 14. TRANSPORT INFORMATION

Australian code for transport of Dangerous Goods by Road or Rail

U.N Number Not Available

U.N Proper Shipping Name Not available

Class Not available

Subsidiary Risk Not available

Packing Group Not available

Hazchem Code Not available

Transport information: Not classified as Dangerous Goods according to Australian Code for the Transport of Dangerous Goods by Road, Rail and Sea.

Section 15. REGULATORY INFORMATION

Poisons Schedule: This product is Schedule 5 poison

Section 16. OTHER INFORMATION

Contact Point Technical Manager

Phone (03) 9300 6900

Literature References: * NOHSC:2011 National Code of Practice for the Preparation of Material Safety Data Sheets

* NOHSC:1008 Approved Criteria for Classifying Hazardous Substances

* NOHSC:10005 List of Designated Hazardous Substances

Disclaimer: It is believed that the information given in this bulletin is accurate at the issue date. It is offered in good faith, but without guarantee and without acceptance of responsibility for its accuracy.

Lubrimaxx pursues a policy of ongoing research and development aimed at product improvement and therefore may change the formulation, specification and characteristics of its products without notice.

It is the user's responsibility to verify the current formulation, specification or

characteristics of a product, and to ascertain that it is suitable for an intended use or application.

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