

CLEAN-A-CORE

MATERIAL SAFETY DATA SHEET

MSDS No:		QUICK SMART PRODUCTS
Product Name:	RADIATOR CLEAN-A-CORE	53 ASSEMBLY DRIVE
Manufacturers Code:	CAC250, CAC1, CAC5, CAC20	TULLAMARINE VIC 3043
Date:	September 2012	ABN: 40 959 725 049
		(03) 9338 6655 (BH)
		(03) 9336 7945 (AH)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	RADIATOR CLEAN-A-CORE
Company Name:	QUICK SMART PRODUCTS
Address:	53 Assembly Drive Tullamarine Vic 3043
Telephone/Fax:	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) Fax: (03) 9335 2598
Recommended Use:	Radiator and cooling system cleaner designed to clear blocked radiators.

2. HAZARDS IDENTIFICATION

Statement of Hazardous/Dangerous Nature:	HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS Classified as Hazardous according to the criteria of NOHSC Australia. Dangerous Goods classification according to the ADG Code.
Risk Phases:	R22 Harmful if swallowed R36/38 Irritating to eyes and skin
Safety Phrases:	S36/37/39 Wear suitable protective clothing, gloves and eye/face protection S2 Keep out of reach of children

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:
Principally an Alkaline in a proprietary solution.

4. FIRST AID MEASURES

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

Inhalation:	Remove the source of contamination and move the affected person to fresh air. Allow patient to assume most comfortable position, keep warm and arrange for patient to be seen by a doctor as soon as possible. If the victim is not breathing, apply artificial resuscitation. In serious cases of over-exposure, seek immediate medical attention.
Ingestion:	Contact a Doctor or Poisons Information Centre. DO NOT induce vomiting. Give a glass of water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Eye:	Hold eyelid open and flush with copious amounts of water for at least 15 minutes or until all contaminants are washed out completely. In all cases of eye contamination seek immediate medical attention.
Skin:	Immediately remove all contaminated clothing and footwear and wash affected areas thoroughly with copious amounts of soap and water. Launder contaminated clothing before re-use. If swelling, redness, blistering or irritation develops seek medical attention.
First Aid Facilities:	Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use.
Advice to Doctor:	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Fire/Explosion Hazard:	Non-combustible. Not considered a significant fire risk.
Suitable Extinguishing Media:	Use extinguishing media appropriate to the principal fire hazard or to the source of the fire. Cool fire exposed containers with water spray from a protected location.
Protective Equipment for Fire Fighters:	Fire Fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing if risk of exposure to products of decomposition.
Fire Incompatibility:	None known.

6. ACCIDENTAL RELEASE MEASURES:

Spills:	Spillages are slippery. Avoid accidents, clean up immediately. Personnel involved in cleaning up any spills are to wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain and collect using an absorbent material (sand or soil, inert material, vermiculite). Prevent run off into drains and waterways. Collect and seal in properly labelled containers for disposal. Rinse the area clean with detergent and water.
Disposal:	Dispose of in accordance to Federal, EPA, State and Local Regulations. Disposal into sewer system is not permitted.

7. HANDLING AND STORAGE

Handling:	Before use carefully read the product label. Use of safe work practices are recommended to minimise inhalation, skin and eye contact. Use in a well ventilated area. Maintain good standards of personal hygiene when using this product i.e. washing hands prior to eating, drinking or using the toilet facilities. Keep containers securely closed when not in use.
Storage:	Store in a clean, dry, well ventilated area out of direct sunlight. Store only in original or approved containers. Store away from acids, oxidising agents and foodstuffs. Keep containers securely closed when not in use. Protect containers against physical damage and inspect regularly for deficiencies such as leaks or damage.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:	No exposure limits have been set by NOHSC for any of the significant ingredients in this product.
Engineering Controls:	No special equipment is usually needed when occasionally handling small quantities. For bulk handling or where regular exposure in an occupational setting occurs without proper containment systems the product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. Local exhaust ventilation may be required.

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Personal Protection: Repeated or prolonged exposure to the material without personal protection should be avoided in order to lessen the possibility of disorders. Avoid contact with the skin and eyes. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:
 Eye Protection - Chemical safety goggles or safety glasses with side shields.
 Skin Protection - Impervious protective clothing (gloves, lab coat, apron or coveralls, as appropriate) to prevent skin contact. Neoprene and Nitrile Rubber gloves are recommended materials.
 Respiratory Equipment – None required under normal circumstances if engineering, storage and handling controls are adequate. If mists or vapours are likely to be generated wear a respirator of the prescribed type – refer AS/NZS 1717/1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid
Odour: Not Applicable
pH: 13.0 @ 20°C
Ignition Temp °C: Not Applicable
Flash Point °C: Not Applicable
Flammable Limits % (Lower-Upper): Not Applicable
Boiling Point/Range: Not Determined
Melting Point/Range: Not Determined
Pour Point: Not Determined
Vapour Pressure kPa: Not Determined
Viscosity: Not Determined
Vapour Density (Air=1): Not Determined

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.
Conditions to Avoid: Avoid sources of ignition, heat, direct sunlight.
Materials to Avoid: Acids and oxidising agents.
Hazardous Polymerisations: Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: No toxicity data is available for this specific product.
 Sodium Metasilicate:
 Toxicity: Oral (rat) LD50: 1153mg/kg
 Irritation: Skin (human): 250mg/24h Severe
 Skin (rabbit): 250mg/24h Severe

Inhalation: Not normally a hazard due to non-volatile nature of product, however the material may cause respiratory irritation in some persons.

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Ingestion: Accidental ingestion of the material may be harmful. The material may cause chemical burns within the oral cavity and gastrointestinal tract following ingestion

Skin: May cause mild but significant inflammation of the skin either following direct contact or after a delay of some time. Repeated exposure can cause contact dermatitis which is characterised by redness, swelling and blistering.

Eye: Highly irritating to the eyes. Can cause chemical burns

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecological data is available for this product.

Persistence / Degradability: Not Determined.

Mobility: Not Determined.

Bioaccumulative Potential: Not Determined.

Environmental Protection: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations: Waste product should be placed in sealed, properly labelled containers for disposal. Dispose of waste according to Federal, EPA, State and Local Regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

Transport Information: Not defined as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

15. REGULATORY INFORMATION

Poisons Schedule: S5 – This material is a Scheduled Poison and must be stored, maintained and used in accordance with the relevant regulations.

AICS (Australia): To the manufacturers best knowledge, all ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

Contact Person/Point: Technical Information: (03) 9338 6655

Date of Preparation or last revision of MSDS: MSDS reviewed: 1 September 2012

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS