ALGROVE RED EARTH *Material Safety Data Sheet*

SHINE

Section 1. Identification

Product Name: SHINE **Product Code:** C12

Recommended Use: Machine Glass Wash Detergent

Supplier: Algrove Red Earth

Street Address: 4/220 Beverley St
Morningside Qld 4170

Postal Address: PO Box 9324
Gold Coast Mail Center Qld 9726

Phone No: 07 33994611 **Fax No:** 07 33998717

Email algrove@onthenet.com.au

Section 2. Hazards Identification

Classified as hazardous according to the Office of Australian Safety & Compensation Council (ASCC) criteria

Dangerous Goods Class 8 – Corrosive

Risk Phrases

R35: Causes Severe Burns

Safety Phrases

S26: In case of contact with eyes, rinse immediately with plenty of water & seek medical advice

S37/39: Wear suitable gloves and eye/face protection

Section 3. Composition Information

Ingredient Name	CAS No	Proportions
Non Hazardous	Not applicable	to 100%
Sodium Hydroxide	1310-73-2	1.00%
Sodium Tripolyphosphate	7758-29-4	2.00%
Trisodium Phosphate	7601-54	2.00
EDTA	64-02-8	2.00

Section 4. First Aid

Eyes (Contact): Hold eyelids apart & flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Skin (Contact): Remove contaminated clothing and flush skin and hair with running water.

Inhalation (Breathing): Not volatile at room temperatures.

Ingestion (Swallowing): DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor

Advice to Doctor: Treat symptomatically for highly alkaline solution.

First Aid Facilities: Ensure an eye bath and a safety shower is available & ready for use.

Additional Information: No aggravated medical conditions are known to be caused by exposure to this product.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:
Solution does not burn. Use extinguishing media suited to the materials that are burning; eg: dry chemical, CO_2 or water spray.

Hazards from Combustion Products:
Carbon dioxide, carbon monoxide, nitrogen oxides and other toxic gases may be produced in the case of fire or during thermal decomposition. Corrosive alkali vapours may be present.

Precautions for Firefighters & Special Protective Equipment:
Firefighters must wear full protective clothing including self contained breathing apparatus & chemical splash suit. Ensure no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.

Additional Information: Hazchem Code – 2R
May generate flammable hydrogen gas if in contact with zinc, tin, magnesium or aluminium.

Section 6. Accidental Release Measures

Emergency Procedure:
SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide (Guide 37) for large volumes.

Spills/Clean Up:
For small volumes (approximately less than 1l) clean up personnel should wear full protective clothing.

Restrict access to the area until completion of clean up.

Stop leak if safe to do so.

Contain spill with absorbent material such as sand, vermiculite or other inert material.

Prevent spill entering sewers or waterways.

Collect & dispose of spilled material according to local regulations.

Wash away remnants with copious amounts of cold water.

Clean area by working from the periphery to the centre of the spill or from the edge of the room to the centre.

Section 7. Handling and Storage

Precautions for Safe Handling:
Contact sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin.

Do not use for manual dishwashing.

Any non-intended or non-authorised use of this product may result in severe personal injuries including caustic burns or damage to equipment and severe corrosion.

Store product in original container.

Wash hands and face thoroughly after handling product and before work breaks, eating, drinking, smoking and using toilet facilities.

Conditions for Safe Storage:
Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed.

Section 8. Exposure Controls and Personal Protection

National Exposure Standards: Source – National Exposure Standards for Atmospheric Contaminants in the Occupational Environment (NOHSC:1003).

Ingredient Name	CAS No	ES-TWA	ES-STEL
None known			

Biological Limit Values: Not available.

Engineering Controls: Ensure adequate ventilation to keep airborne concentrations below exposure standards.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin Protection: use nitrile rubber gloves to prevent skin contact.

Respiratory Protection: respirator is not usually necessary but if product is being used in a confined area where mist is a problem, use a respirator suitable for particulates and alkaline gases.

Section 9. Physical and Chemical Properties

Appearance:	Clear Pale Blue/Purple Liquid	**Boiling Point:**	100°C
Odour:	Mild	**Freezing Point:**	Approximately 0°C
pH:	>10.0	**Solubility:**	Soluble in water
Specific Gravity:	1.25	**Flash Point:**	Not applicable
Vapour Pressure:	Not available	**Upper & Lower Flammability Limits (in air):**	Not applicable
Vapour Density:	Not available	**Ignition Temperature:**	Not applicable

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal ambient storage conditions.

Conditions to Avoid: Avoid high temperatures (store below 30°C). Protect against physical damage.

Incompatible Materials: Incompatible with aluminium, tin, zinc, magnesium & their alloys. Also incompatible with acid, fertilizers, chlorinating compounds, brominated compounds and nitrated hydrocarbons.

Hazardous Decomposition Products: None known

Hazardous Reactions: May react with aluminium, tin & zinc to produce flammable hydrogen gas.

Section 11. Toxicological Information

Health Effects – Acute

Swallowed: Considered an unlikely route of entry in commercial/industrial environments. May cause tissue damage in the mouth, throat & stomach.

Eye: Pain & reddening will occur. Severe damage may result if not treated immediately.

Skin: Causes irritation, redness & burns on contact with skin.

Inhaled: Inhalation of mist may cause irritation.

Health Effects – Chronic

Swallowed: No effects known

Eye: Permanent injury may result

Skin: Repeated skin contact may lead to dermatitis

Inhalation: Possibility of moderate to severe respiratory damage.

Toxicity Data

Potassium Hydroxide	LD_{50} 40mg/kg (Intraperitoneal, mouse)	RTECS WB4900000

Section 12. Ecological Information

Ecotoxicity: Not expected to be ecotoxic after dilution or neutralisation

Persistence & Degradability: Not available

Mobility: Not available

Section 13. Disposal Considerations

Disposal Method: Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty container thoroughly before recycling or disposing to an authorised landfill.

Special Precautions: Normally suitable for incineration by approved agent.

Section 14. Transport Information

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	1814
UN Proper Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S.
Class & Subsidiary Risk	8 – Corrosive
Packing Group	II
Special User Precautions	Not applicable
Hazchem Code	2R

Section 15. Regulatory Information

Poisons Schedule (SUSDP): schedule 6 – POISON

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS)

Section 16. Other Information

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