

Safety Data Sheet

Issue Date : May 2019

Status : ISSUED

Product Name : R BRITE

Classified as hazardous

1. Identification

GHS Product Identifier R BRITE
Company Name Cargroomers International Pty Ltd
Address 10 Binary Street YATALA
QLD 4207 Australia
Telephone/Fax Number Tel: (07) 3807 7577
Emergency phone number (07) 3807 7577
Recommended use of the chemical and restrictions on use Acidic detergent
Additional Information NZ Contact:
J.A.W Ltd
87 Barrys Point Road
Takapuna
Auckland 0622
Ph 09 2159743
Fax 09 4887000

2. Hazard Identification

GHS classification of the substance/mixture Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Corrosive to Metals: Category 1
Eye Damage/Irritation: Category 1
Skin Corrosion/Irritation: Category 1B

Signal Word (s) DANGER

Hazard Statement (s) May be corrosive to metals.
Causes severe skin burns and eye damage.
Causes serious eye damage.

Precautionary statement – General Keep out of reach of children.

Pictogram (s) Corrosion



Precautionary statement – Prevention Keep only in original container.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash contaminated skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Absorb spillage to prevent material damage.

Precautionary statement – Storage Store locked up.
Store in corrosive resistant/approved container with a resistant inner liner.

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Precautionary statement – Disposal Dispose of contents/container to an approved disposal facility.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Orthophosphoric acid	7664-38-2	10-<30 %
	Sulphuric acid	7664-93-9	1-<10 %
	Glycolic Acid	79-14-1	1-<10 %
	Dodecyl benzene sulphonic acid	27176-87-0	1-<10 %
	Other ingredients classified as non hazardous at the concentrations used according to the criteria of Safework Australia		

4. First-aid measures

First Aid Measures	For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0 800 764766) or a doctor.
Inhalation	Remove victim from exposure if safe to do so. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume a comfortable position and keep warm. Seek medical advice if symptoms persist.
Ingestion	Do not give anything by mouth if victim is losing consciousness or is unconscious or convulsing. Rinse mouth of victim thoroughly with water and spit out rinse water. DO NOT INDUCE VOMITING.
Skin	First aid personnel should avoid contact with this chemical. Wear impervious gloves when assisting patient. Immediately flush contaminated skin area with gently running water for at least 20 minutes.
Eye contact	Immediately flush the contaminated eye(s) with gently flowing water for 15 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye.
First Aid Facilities	Use should be made of an on-site approved first aid kit if required in the first instance until medical assistance is forthcoming. Potable water should be available to rinse eyes or skin.
Advice to Doctor	Treat symptomatically. Show this S.D.S. to the medical practitioner.

5. Fire-fighting measures

Fire Fighting Measures	Firefighters should wear full self-contained breathing apparatus and full body protective clothing. Use water spray to cool containers. Wear self-contained breathing apparatus and full protective clothing. Wash acid away from metal surfaces.
Suitable extinguishing media	Use alcohol-resistant foam, dry chemical or carbon dioxide.
Hazards from Combustion Products	If heated acid will produce fumes of sulphuric acid fume and sulphur dioxide. Hydrogen gases may be evolved in contact with metals. Potential sources of ignition should be excluded from these areas.
Special Protective Equipment for fire fighters	Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers. Evacuate area move upwind of fire.
Specific hazards arising from the chemical	Material is stable under normal conditions of temperature and pressure. Avoid contact with bases (e.g. caustic soda) - can react violently. Runoff may pollute waterways, drains or sewers.
Hazchem Code	2X

6. Accidental release measures

Spills & Disposal	DO NOT contaminate the surrounding materials. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind and keep out of low areas.
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Personal Protection	Isolate for 100m in all directions if tank, rail car or tanker is involved in fire. Shut off ignition sources, no flares, smoking or flames in hazard area as this product may react with metals and release flammable gas. Stop leak if you can do it without risk. Water spray may reduce vapour, but may not prevent ignition in closed spaces. Wear full protective clothing. Use PPE as indicated in Section 8 of this SDS
Clean-up Methods - Small Spillages	For small spills - Neutralise with lime if possible. Take up with sand, dirt or vermiculite. Place into labelled (non metallic) drum(s) for later disposal.
Clean-up Methods - Large Spillages	For large spills - notify Emergency Services (Police or Fire Brigade) if the situation cannot be controlled. Tell them location, nature and any information that would be helpful. Contain spill & neutralise with lime if possible. Avoid contact with spill. Trained personnel should wear personal protective gear as highlighted in this SDS. Blanket spill with dry sand or dry chemical powder. Consult an expert regarding disposal of this product. For large spill or tank rupture consider further evacuation to 200 m in all directions. If available consider using water spray to disperse vapours.
Environmental Precautions	Review local regulations before release to the environment.
Other Information	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste by an approved waste agency. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state and local requirements.

7. Handling and storage

Handling and Storage	Use with caution in mixing with water due to possible heat evolution that causes spattering. Always add the acid to water, NEVER ADD WATER TO THE ACID.
Precautions for Safe Handling	When splash or inhalation exposure is possible, appropriate protective clothing must be worn.
Conditions for safe storage, including any incompatibilities	Keep containers closed at all times - check regularly for leaks. Protect storage containers from heat or direct sunlight. The storage area should have adequate, independent, ventilation and have no sources of heat. Avoid contact with incompatible materials such as strong alkalis, nitrates and oxidising agents. Avoid heat conditions.
Additional information on precautions for use	This material is a Scheduled 6 Poison (S6) and must be stored, maintained and used in accordance with the relevant regulations.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Orthophosphoric acid	3		1		
	Sulphuric acid	3		1		
Other Exposure Information	Workplace Exposure Limits: Phosphoric Acid: TWA = 1mg/m3. STEL 3mg/m3 (Safe Work Australia) Sulphuric Acid: TWA = 1mg/m3. STEL 3mg/m3 (Safe Work Australia) These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.					
Appropriate engineering controls	Corrosive liquid. Maintain adequate ventilation at all times. Sampling of the atmosphere if there is a risk that TWA or STEL levels may be exceeded, with all appropriate procedures being implemented and including any protective equipment.					
Personal Protective Equipment	Skin protection - Wear any type of apron or splash suit as recommended by the suit manufacturer for exposure to acid. Gloves must be inspected prior to use. Eye protection - Wear chemical goggles or faceshield to protect eyes. Respiratory protection - Avoid breathing of gases. If engineering controls are inadequate a full face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridge is recommended. If entering spaces where					

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the airborne concentration of a contaminant is unknown then the use of a self-contained breathing apparatus with positive air supply complying with AS/NZS 1715-1716 is recommended.

9. Physical and chemical properties

Form	Liquid
Appearance	Dark green liquid
Boiling Point	ca. 100°C
Solubility in Water	Soluble
Specific Gravity	1.15-1.18
pH	<2.0
Vapour Density (Air=1)	Not known
Flammability	Not flammable

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Keep out of direct sun and away from sources of heat. Keep away from strong alkalis, nitrates, chlorinated products and oxidising agents. Protect containers from mechanical damage.
Incompatible Materials	Concentrated acids may react with metals generating flammable hydrogen gas. Reacts with chlorinated products, nitrites, nitrates and sulphites to produce toxic gas.
Hazardous Decomposition Products	Hydrogen gas.
Other Information	Store in a cool, dry place. Use only as directed. Store in accordance with directions given in Section 7 (Handling and storage) of this SDS.

11. Toxicological Information

Toxicology Information	Toxicology is not determined for this particular product.
Ingestion	May cause burns to the mouth, mucous membranes, throat, oesophagus and stomach with effects including spontaneous vomiting with diarrhoea and possible bloody stools.
Inhalation	High vapour concentrations can cause burns to the lips, mouth, throat and lungs. Inhalation of vapour may cause ulcers of the upper respiratory tract, pulmonary inflammation and congestion.
Skin	Corrosive by skin contact. May cause burns with effects including redness, blistering, localised pain and dermatitis.
Eye	May cause severe and irreversible damage with possible corneal scarring. Liquid and vapour may cause severe burns and exposure may result in permanent or prolonged visual defects or total destruction of the eyes.
Carcinogenicity	No specific data is available.
Chronic Effects	No data supplied.
Mutagenicity	No evidence of mutagenic properties.

12. Ecological information

Ecotoxicity	None determined for this particular product. Expected to be harmful to the environment due to low pH.
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13. Disposal considerations

Disposal Considerations	Dispose of material through a licensed waste contractor. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste by an approved waste agency. Processing, use or contamination of this product may
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change the waste management options. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

Transport Information Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail. Refer to relevant regulations for storage and transport requirements.

U.N. Number 1760

UN proper shipping name CORROSIVE LIQUID, N.O.S. - contains Sulphuric Acid and Phosphoric Acid

Transport hazard class(es) 8

Hazchem Code 2X

Packing Group II

IERG Number 37

15. Regulatory information

Poisons Schedule S6

HSNO Approval Number HSR002526

AICS (Australia) All ingredients listed

Other Information NZ Group Standard 2017: Cleaning Products (Corrosive)
Classification: Acute Toxicity 6.1D (oral) 6.1E (dermal), Skin corrosion 8.2C, Serious eye damage 8.3A, Corrosive to metals 8.1A, Slightly harmful in the aquatic environment 9.1D, Harmful to terrestrial vertebrates 9.3C.

16. Other Information

Other Information Issue #1
Reason for revision: New product

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Cargroomers International Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.

...End Of MSDS...