


SAFETY DATA SHEET		
BRS AUSTRALIA		ORANGE GRIT HAND CLEANER
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SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	BRS AUSTRALIA PTY LTD		
ADDRESS:	P.O. Box 1071 Ashmore City, QLD 4214		
Trade Name:	ORANGE GRIT HAND CLEANER		
TELEPHONE:	07 3807 7400	FAX:	07 3807 7491
AH EMERGENCY TELEPHONE:	13 1126 in Australia	ABN:	19 158 969 754
Substance:	Water Based	Product Use:	Hand Cleaner
Creation Date:	July 2017	Revision Date:	July 2022
Product Code:	OMP/B/XOGHC/XLP		

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture			
Poisons Schedule	Not scheduled		
Dangerous Goods	Not classified as Dangerous Goods		
GHS Classification	Eye Irritation Category 2A		
Label elements			
GHS label pictograms	 GHS 07 EXCLAMATION MARK		
Signal word	WARNING		
Hazard statement(s)			
H319	Causes serious eye irritation		
Precautionary statement(s): General			
P102	Keep out of reach of children.		
P103	Read label before use.		
Precautionary statement(s): Prevention			
P264	Wash skin thoroughly after handling.		
P280	Wear eye protection/face protection.		
Precautionary statement(s): Response			
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P337 + P313	If eye irritation persists: Get medical advice/attention.		
Precautionary statement(s): Storage			
	None allocated		
Precautionary statement(s): Disposal			
	None allocated		
Note			
IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:3 or greater they no longer apply. However, good hygiene and housekeeping practices should be adhered to.		
EMERGENCY OVERVIEW			
Colour	Orange	Odour	Characteristic citrus
Physical Description	Liquid/gel	Viscosity	Viscous liquid

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SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
p-mentha-1,8-diene (orange oil)	5989-27-5	< 10% w/w
Polyalkylene oxide derivative of a synthetic alcohol	103818-93-5	10 - 30% w/w
Ingredients determined to be non-hazardous	various	< 10% w/w
Water	7732-18-5	To 100% w/w
NOTE:	Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 4th edition United Nations 2011. Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.	

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
First Aid Facilities	Normal washroom facilities.
Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
Eye contact	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Inhalation	Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor).
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Aggravated Medical Conditions	None known.
Symptoms caused by exposure	
	<ul style="list-style-type: none"> • Ingestion may result in nausea, vomiting. No known significant effects or critical hazards. • Not a skin irritant. • Eye contact may result in irritation, lacrimation, pain, redness, conjunctivitis. • Not an inhalation hazard.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing equipment / media

Extinguish media	Not combustible, however if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
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Special hazards arising from the chemical



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Fire incompatibility	None known.
Special protective equipment and precautions for fire fighters	
Fire Fighting	<ul style="list-style-type: none"> • Stop leak if safe to do so. • Send messenger to notify fire brigade and police. • Tell them location, material quantity, and emergency contact. • Indicate condition of vehicle and damage or injuries observed. • Warn other traffic.
Fire/Explosion Hazard	<ul style="list-style-type: none"> • Water based. Not combustible. • However if involved in a fire will emit toxic fumes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor spills	<ul style="list-style-type: none"> • Clean up all spills immediately. • Avoid contact with skin and eyes. • Control personal contact with the substance, by using protective equipment. • For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.
Major spills	<ul style="list-style-type: none"> • Stop leak if safe to do so. • In the event of a major spill, prevent spillage from entering drains or water courses. • Send messenger to notify fire brigade and police. • Tell them location, material quantity, and emergency contact. • Indicate condition of vehicle and damage or injuries observed. • Warn other traffic. • Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. • Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. • Residual deposits will remain slippery. • Wash area down with excess water. • If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

Environmental precautions

	<ul style="list-style-type: none"> • Use appropriate containment to avoid environmental contamination. • Prevent from spreading and entering waterway using sand, earth or other appropriate barriers.
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Methods and materials for containment and cleaning up

	<ul style="list-style-type: none"> • Avoid contact with spilled or released material. • Shut off leaks, if possible without personal risks. • Isolate hazard area and deny entry to unnecessary or unprotected personnel.
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- Personal protective equipment advice is contained in Section 8 of the SDS.

Section 7 – Handling and Storage

Precautions for safe handling



Safe handling	<ul style="list-style-type: none"> • Wear prescribed protective clothing. • Use in well ventilated area. • Do NOT eat, drink or smoke when handling. • Wash hands after use. • Keep containers closed tightly when not in use. • Store in accordance to manufacturers instructions.
Other information	<ul style="list-style-type: none"> • Store in original containers. • Store in a cool, dry, well ventilated area out of direct sunlight. • Store in approved cupboards or storage containers.
Conditions for safe storage, including any incompatibilities	
Suitable container	Bulk storage tanks should be banded. Store in original containers provided by the manufacturer.
Storage incompatibility	Store in a well-ventilated area, away from sunlight, and other sources of heat. Do not store near strong oxidants.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:	From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia – None available for this product.
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Ingredients data

Source	Ingredient	Material name	TWA	STEL	Peak	Notes

Biological Limit Value	None established for product.
Engineering Controls	None required.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;
Eye Protection 	Generally not required for applications as per label directions. The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.
Skin Protection 	Hand cleaner - generally not required for applications as per label directions. Overalls, apron, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.



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Protective Material Types	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respirator	Generally not required for applications as per label directions.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous liquid/gel	Colour	Orange
Odour	citrus odour	Specific Gravity	1.01 – 1.02 @ 25 °C
Boiling Point	Approximately 100 °C	Freezing Point	Approximately 0 °C
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not flammable	Flammable Limits	none
Water Solubility	Miscible in all proportions	pH	6.5 – 7.5 neat
Volatile Organic Compounds (VOC)	0 % v/v	Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	Ca 85 % v/v

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	Avoid contact with heat or heat sources.
Incompatible Materials	None known.
Hazardous Decomposition Products	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
Hazardous Reactions	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	Not considered to be an inhalation hazard.
Skin contact	Hand cleaner - properly rinsed solutions not expected to be irritating to skin. Prolonged contact with concentrate may be irritating to skin. The symptoms may include redness, itching and swelling.
Eye contact	Concentrated product causes eye irritation. Eye contact with concentrate will cause stinging, blurring, tearing.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Chronic exposure	No known effects.
Toxicology Information	Not toxic, based on ingredients. Oral LD50 (calculated) : >3800 mg/kg
Carcinogen Status	
NOHSC	No significant ingredient is classified as carcinogenic by NOHSC.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	No significant ingredient is classified as carcinogenic by IARC.
Respiratory sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	Not expected to be a skin sensitizer.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.



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SECTION 12 – ECOLOGICAL INFORMATION

Eco-toxicity Product (as sold)	Acute Aquatic Toxicity (Calculated) LC50: 30 - 33 mg/L. Acute Aquatic Toxicity Category 3 - Harmful to aquatic life. Note 10. LC50 >10 mg/L but < 100mg/L.
Eco-toxicity Product (at use dilution 1:100 rinse)	Not harmful to aquatic life. Acute Aquatic Toxicity NOT HAZARDOUS (LC50 > 100mg/L). Acute Aquatic Toxicity (Calculated) LC50: 3000 - 3300 mg/L.
Persistence and degradability	Readily biodegradable, based on ingredients.
Bio accumulative potential	No bioaccumulation is expected.
Mobility in soil	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
Other adverse effects	Not available
Environmental Protection	Do not discharge this material into waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal	To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septic, and grey water systems. For larger scale use, eg. truck washing depot, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.
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SECTION 14 – TRANSPORT INFORMATION

ADG CODE – ROAD & RAIL			
UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
IATA - AIR			
UN Number	none allocated	Classification	none allocated
Shipping Name	none allocated	Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
Environmental hazards	none allocated	Special Provisions	none allocated
IMDG - SEA			
UN Number	none allocated	Classification	none allocated
Shipping Name	none allocated	Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
Environmental hazards	Marine pollutant: no		
EMS	none allocated	Special Provisions	none allocated

SECTION 15 – REGULATORY INFORMATION

SAFE WORK AUSTRALIA	NOT HAZARDOUS
GHS Classification	NOT HAZARDOUS
SUSMP	Not scheduled
ADG Code	NA
AICS	All ingredients present on AICS.

SECTION 16 – OTHER INFORMATION



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Issue Date	17 th July 2017
Version Number	V 2.0 GHS Classification.
Abbreviations and acronyms	<p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</p> <p>HSIS: Hazardous Substances Information System</p> <p>IARC: International Agency for Research on Cancer.</p> <p>NOHSC: National Occupational Health and Safety Commission.</p> <p>NTP: National Toxicology Program (USA).</p> <p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p> <p>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p>
Literature references	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safework Australia</p> <p>Australian Code For The Transport Of Dangerous Goods By Road And Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Material Safety Data Sheets – individual raw materials – Suppliers</p> <p>HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base.</p> <p>HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p>
Disclaimer	<p>This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.</p>

End of SDS