

MATERIAL SAFETY DATA SHEET

BRS AUSTRALIA PTY LTD

Product: **RED DOG ORANGE GRIT HAND CLEANER**

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: **RED DOG 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 gel **Product Use:** HAND CLEANER
Creation Date: JUNE 2014 **Revision Date:** JUNE 2019
Product Code: RDORHC (Various Sizes)

SECTION 2 – HAZARDS IDENTIFICATION

- This product is **NOT classified as HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.
- This product is **NOT classified as a Scheduled Poison** according to the SUSDP.

Approved Criteria

Classification	Not hazardous	ADG Classification	none allocated
UN Number	none allocated	ADG Subsidiary Risk	none allocated
Shipping Name	none allocated	Packing Group	none allocated
Hazchem Code	none allocated		
SUSDP Classification	not a scheduled poison		

EMERGENCY OVERVIEW

Colour	Orange	Odour	Fragrant - Orange
Physical Description	Liquid/gel	Viscosity	Viscous liquid/gel
Major Health Hazards	None known		

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

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".

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
Ingredients determined to be non-hazardous	Various	10 - 30% w/w	not set	not set
Water	7732-18-5	> 60% w/w	not set	not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

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 03 474 7000).

First Aid Facilities Normal washroom facilities.

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Skin contact	Wash skin with 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.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Water based. Not combustible. However if involved in a fire will emit toxic fumes.
Extinguishing Media	Use an extinguishing media suitable for surrounding fires.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
Flash Point	Not combustible

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. For large spills, or tank rupture, stop leak if safe to do so. 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.

SECTION 7 – HANDLING AND STORAGE

Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Storage	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: Time-weighted Average (TWA): None established for specific product. See SECTION 3 for Exposure Limits of individual ingredients. Short Term Exposure Limit (STEL): None established for specific product. See SECTION 3 for Exposure Limits of individual ingredients.
Biological Limit Value	None established for product.
Engineering Controls	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating mists of the product. Use only in a well-ventilated area. Ensure airflow, where this product is used, is directed away from the operators. Where high contaminant spray mist or vapour levels exist, ie, approaching the exposure limit, the following additional equipment is required: For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For prolonged exposure and confined spaces:- full face air supplied or self contained breathing apparatus (if vapour levels exceed the Exposure Limit by more than ten times, air supplied apparatus should be used).
Personal Protective Equipment	This product is not classified as hazardous according to the criteria of Worksafe Australia. 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 to handle the product – hand cleaner. 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	Generally not required to handle the product – hand cleaner. Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) in quantity, cleaning up spills, decanting, etc.
Protective Material Types	Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.
Respirator	Not required for normal cleaning operations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid/gel	Colour	Orange
Odour	fragrant odour - Orange	Specific Gravity	1.0 @ 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	7.0 – 7.6 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 75 % v/v

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SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	May corrode mild steel, copper, aluminium and zinc fittings.
Incompatible Materials	Oxidizing agents and reducing agents.
Hazardous Decomposition	Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
Hazardous Reactions	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

PRODUCT MIXTURE INFORMATION

Local Effects Mild irritant: eye, skin, inhalation and ingestion.

Target Organs Eyes, mucous membranes, skin.

POTENTIAL HEALTH EFFECTS

Ingestion

short term exposure Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting.

long term exposure No information available.

Skin contact

short term exposure Not expected to be irritating. Skin contact may cause irritation in certain individuals if extended contact with concentrated product.

long term exposure Prolonged and repeated skin contact with undiluted solutions may induce eczematoid dermatitis.

Eye contact

short term exposure Eye contact may cause stinging, blurring, tearing, pain.

long term exposure No information available.

Inhalation

short term exposure Not an inhalation hazard.

long term exposure No information available.

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.

Medical conditions aggravated by exposure No information available.

CLASSIFICATION OF INDIVIDUAL INGREDIENTS

NOTE : This information relates to each individual ingredient, when evaluated as pure undiluted chemical.

See SECTION 3 for actual proportions of ingredients present in this product.

Ingredients

Non hazardous ingredients 100%

R-Phrases.

None allocated

SECTION 12 – ECOLOGICAL INFORMATION

Fish toxicity None available for specific product.

Algae toxicity None available for specific product.

Invertebrates toxicity None available for specific product.

Toxicity to Bacteria None available for specific product.

OECD Biological degradation Individual components stated to be readily biodegradable. No hydrocarbons present in the product.

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General Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septics, and grey water systems. To dispose of larger 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. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.

SECTION 14 – TRANSPORT INFORMATION

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
Packaging Method	none allocated	Special Provisions	none allocated
Segregation	none allocated		

SECTION 15 – REGULATORY INFORMATION

AICS All ingredients present on AICS.

Labeling Details

HAZARD Not hazardous

RISK PHRASES None allocated

SAFETY PHRASES None allocated

SUSDP None allocated

ADG Code None allocated

SECTION 16 – OTHER INFORMATION

Acronyms

SUSDP Standard for the Uniform Scheduling of Drugs and Poisons.

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail.

CAS Number Chemical Abstracts Service Registry Number.

UN Number United Nations Number.

R-Phrases Risk Phrases.

HAZCHEM An emergency action code of numbers and letters which gives information to emergency services.

NOHSC National Occupational Health and Safety Commission.

NTP National Toxicology Program (USA).

IARC International Agency for Research on Cancer.

AICS Australian Inventory of Chemical Substances.

TWA Time Weighted Average

STEL Short Term Exposure Limit

Literature References List of Designated Hazardous Substances [NOHSC:10005(1999)]

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Australian Code For The Transport Of Dangerous Goods By Road And Rail – Sixth Edition.
Standard for the Uniform Scheduling of Drugs and Poisons.
National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
Material Safety Data Sheets – individual raw materials – Suppliers.
HSIS – Hazardous Substance Information System – National Worksafe Data Base.
New Issue to standard : 2nd Edition [NOHSC:2011(2003)].

Revision Information

Note

Contact Point

Issue Date

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
Regulatory Affairs Manager. **Telephone** 07 3807 7400
June 2014 **Supersedes Issue Date** First issue

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.