

# MATERIAL SAFETY DATA SHEET

BRS AUSTRALIA PTY LTD

Product: RED DOG ALL PURPOSE DEGREASER

Date of Issue: JUNE 2014

Page 1 of Total 6

## 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 ALL PURPOSE DEGREASER**  
**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:** Degreaser  
**Creation Date:** JUNE 2014 **Revision Date:** JUNE 2019  
**Product Code:** RDAPD  
(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

<b>Classification</b>	Not hazardous	<b>ADG Classification</b>	none allocated
<b>UN Number</b>	none allocated	<b>ADG Subsidiary</b>	none allocated
<b>Shipping Name</b>	none allocated	<b>Risk</b>	none allocated
<b>Hazchem Code</b>	none allocated	<b>Packing Group</b>	none allocated
<b>SUSDP</b>	none allocated		
<b>Classification</b>	none allocated		

### EMERGENCY OVERVIEW

<b>Colour</b>	Reddish Brown	<b>Odour</b>	Fragrant
<b>Physical Description</b>	Liquid	<b>Viscosity</b>	Non-viscous liquid
<b>Major Health Hazards</b>	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

# MATERIAL SAFETY DATA SHEET

BRS AUSTRALIA PTY LTD

Product: **RED DOG ALL PURPOSE DEGREASER**

Date of Issue: JUNE 2014

Page 2 of Total 6

<b>Scheduled Poisons</b>	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).
<b>First Aid Facilities</b>	Normal washroom facilities.
<b>Skin contact</b>	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.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
<b>Ingestion</b>	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).
<b>Inhalation</b>	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
<b>Advice to Doctor</b>	No specific antidote. 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.
<b>Aggravated Medical Conditions</b>	None known.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Water based. Not combustible. However if involved in a fire will emit toxic fumes.
<b>Extinguishing Media</b>	Use an extinguishing media suitable for surrounding fires.
<b>Fire Fighting</b>	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.
<b>Flash Point</b>	None – does not support combustion.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	No HAZCHEM code.
<b>Occupational Release</b>	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, consider initial evacuation distance of 200 metres in all directions. Stop leak if safe to do so. If available, use water spray to disperse vapour. 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 labeled 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.

# MATERIAL SAFETY DATA SHEET

BRS AUSTRALIA PTY LTD

Product: **RED DOG ALL PURPOSE DEGREASER**



Date of Issue: JUNE 2014

Page 3 of Total 6

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	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.
<b>Storage</b>	Store in a cool, dry, place with good ventilation. Avoid storing in aluminum and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: <b>Time-weighted Average (TWA):</b> None established for specific product. See <b>SECTION 3</b> for Exposure Limits of individual ingredients. <b>Short Term Exposure Limit (STEL):</b> None established for specific product. See <b>SECTION 3</b> for Exposure Limits of individual ingredients.
<b>Biological Limit Value</b>	None established for product.
<b>Engineering Controls</b>	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.
<b>Personal Protective Equipment</b>	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;
<b>Eye Protection</b>	Generally not required to handle the product 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.
	
<b>Skin Protection</b>	Generally not required to handle the product as per label directions. Overalls, work boots and 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.
	
<b>Protective Material Types</b>	Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrite.
<b>Respirator</b>	Generally not required to handle the product as per label directions.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	liquid	<b>Colour</b>	Reddish in colour
<b>Odour</b>	Mild/Non offensive odour	<b>Specific Gravity</b>	1.0 @ 25 °C
<b>Boiling Point</b>	Approximately 100 °C	<b>Freezing Point</b>	Approximately 0 °C
<b>Vapour Pressure</b>	Not available	<b>Vapour Density</b>	Not available
<b>Flash Point</b>	Not flammable	<b>Flammable Limits</b>	None
<b>Water Solubility</b>	Miscible in all proportions	<b>pH</b>	6.5 – 7.5 neat

# MATERIAL SAFETY DATA SHEET

BRS AUSTRALIA PTY LTD

Product: RED DOG ALL PURPOSE DEGREASER

Date of Issue: JUNE 2014

Page 4 of Total 6

## Volatile Organic Compounds (VOC)

0 % v/v

## Viscosity

Not available

## Evaporation Rate

Not available

## Coefficient of Water/Oil

### Distribution

Not available

### Odour Threshold

Not available

### Per Cent Volatile

Ca 90 % v/v

## 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

Strong oxidizing agents.

### Hazardous Decomposition

Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapors.

### 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, lungs.

### POTENTIAL HEALTH EFFECTS

#### Ingestion

##### short term exposure

Swallowing large amounts of this product can cause stomach irritation, nausea and diarrhoea.

##### long term exposure

No information available.

#### Skin contact

##### short term exposure

Concentrated product may cause skin irritation. Prolonged contact with concentrated solutions may be irritating. Properly diluted wash solutions not expected to be irritating.

##### long term exposure

Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals.

#### Eye contact

##### short term exposure

This product may cause eye irritation, watering, redness.

##### long term exposure

No information available.

#### Inhalation

##### short term exposure

No vapour or mist generally associated with liquid form of the product – water based. Exposure to intentionally generated mists of this product may cause slight nose and throat irritation.

##### long term exposure

No information available.

### Carcinogen Status

#### NOHSC

No significant ingredient is classified as carcinogenic by NOHSC.

# MATERIAL SAFETY DATA SHEET

BRS AUSTRALIA PTY LTD

Product: RED DOG ALL PURPOSE DEGREASER

Date of Issue: JUNE 2014

Page 5 of Total 6

**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	R-Phrases.
100% Non-hazardous ingredients	None

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Fish toxicity</b>	None available for specific product.
<b>Algae toxicity</b>	None available for specific product.
<b>Invertebrates toxicity</b>	None available for specific product.
<b>Toxicity to Bacteria</b>	None available for specific product.
<b>OECD Biological degradation</b>	Individual components stated to be biodegradable.
<b>General</b>	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

<b>Disposal</b>	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, septics, and grey water systems. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.
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## SECTION 14 – TRANSPORT INFORMATION

<b>Transport Information</b>	<b>Road &amp; Rail Transport</b> Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road or Rail.  <b>Marine Transport</b> Not classified as a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.  <b>Air Transport</b> Not classified as a Dangerous Good by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by Air.
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# MATERIAL SAFETY DATA SHEET

BRS AUSTRALIA PTY LTD

Product: **RED DOG ALL PURPOSE DEGREASER**

Date of Issue: JUNE 2014

Page 6 of Total 6

## SECTION 15 – REGULATORY INFORMATION

### Labeling Details

HAZARD	Not hazardous
RISK PHRASES	None allocated
SAFETY PHRASES	None allocated
SUSDP	None allocated
ADG Code	none allocated
AICS	All ingredients present on AICS.

## 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)]  
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 Work safe Data Base.  
New Issue to standard: 2nd Edition [NOHSC:2011(2003)].

### Revision Information

**Note** Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

**Contact Point** Regulatory Affairs Manager. **Telephone** 07 3807 7400

**Issue Date** JUNE 2014 **Supersedes Issue Date** 1<sup>st</sup> 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.