

## Material Safety Data Sheet

### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

**PRODUCT NAME: BULLDOG**

Synonyms: None

Recommended Use: Vehicle detergent

**Supplier:** Minehan Agencies Pty Ltd

**Address:** 29 Camuglia Street GARBUTT Townsville Queensland Australia 4814

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**Emergency telephone number:** 0408 777 800 (24Hrs Australia)

### 2. HAZARDS IDENTIFICATION

This product is classified as:

**A Non-Hazardous Substance** according to criteria of the National Occupational Health and Safety Commission (NOHSC).

**NOT Dangerous Goods** according to the Australian Dangerous Goods Code (ADG Code).

<b>Approved Criteria Classification</b> (Calculated).	<b>Non Hazardous</b>
<b>SUSDP Classification</b>	<b>Not Scheduled</b>
<b>ADG Classification</b>	<b>Not Dangerous goods</b>
<b>Un Number</b>	<b>None allocated</b>

### EMERGENCY OVERVIEW

<b>COLOUR</b>	Fluorescent Yellow/Gold
<b>PHYSICAL DESCRIPTION</b>	LIQUID
<b>ODOUR</b>	Faint
<b>MAJOR HEALTH HAZARD</b>	Mild Skin & Eye irritant.

### POTENTIAL HEALTH EFFECTS

**Inhalation: Short term exposure.** Very mild irritation may occur in some people. **Long term Exposure.** May trigger pre-existing respiratory complaints.

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**Skin Contact:** **Short term exposure.** Defatting. **Long term exposure.** Prolonged exposure to the concentrate may cause irritation, redness and dermatitis.

**Eye Contact:** **Short term exposure.** Mild irritation and possible redness. **Long-term exposure.** Not known.

**Ingestion:** **Short term exposure.** Mild abdominal discomfort may result. **Long-term exposure.** Not known

### Carcinogen Status

NOHSC	Not Classified
NTP	Not Classified
IARC	Not Classified

### 3. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Phone (Australia 13 1126).

**Inhalation:** Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Perform artificial respiration if needed. Allow patient to assume most comfortable position and keep warm.

**Skin Contact:** Remove contaminated clothing. Wash contaminated skin for at least 15-20mins with of water, or until no evidence of the chemical remains (this product will feel slippery or soapy on the skin.). If swelling, redness, blistering, or irritation occurs seek medical advice. Wash clothing before re-use.

**Eye Contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. If present, remove contact lenses.

**Ingestion:** Immediately rinse mouth with water. Do NOT induce vomiting. Seek medical attention.

**Notes to Physician:** Treat symptomatically. Suggest intubation BEFORE any emesis due to foaming properties of this product.

### 4. FIRE FIGHTING MEASURES

**Flash Point:** Not a Flammable or Combustible liquid

**Fire and Explosion Hazard:** Non-combustible material. Closed containers exposed to heat may explode.

**Specific Hazards:** Spills are a serious slip hazard.

**Fire Fighting:** Move container from fire area if it can be done without risk. Dam for later disposal. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. **Suitable Extinguishing Media:** Not combustible, however, if material is involved in a major fire use water fog to keep drums cool. Use foam, CO<sub>2</sub> or dry chemical powder to extinguish surrounding fire.

**Hazardous Decomposition in Products:** On burning may emit fumes including carbon monoxide, carbon dioxide, Sulphur dioxide and partially burned hydrocarbons. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

**Hazchem Code:** None allocated

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### 5. ACCIDENTAL RELEASE MEASURES

Alkaline liquid. Stop leak if possible without personal risk. Wear protective equipment to prevent personal injury (see section 8). **Small spills (< 5L)** Cover with an absorbent material (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal. Hose down area with large amounts of water. Caution, Slip Hazard. **Large spills (>5L)** Prevent run off into drains and waterways. Dam material. Cover with absorbent material. Collect and seal in properly labelled containers for disposal. Hose down area with large amounts of water. Keep unnecessary people away, isolate hazard area and deny entry. If contamination of sewers or waterways has occurred, advise local emergency services.

### 6. HANDLING AND STORAGE

Store in a well-ventilated area. Store in a cool, dry place and out of direct sunlight. Store away from foodstuffs and strong acids. Store in original containers. Do not store in aluminium containers. Keep containers closed when not in use – check regularly for leaks. Handle using good industrial hygiene practices (see section 8 on personal protection).

### 7. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** No value has been assigned for this specific material by NOHSC. However the following general exposure limit is recommended as a good work place guide.

Ingredient	TWA	STEL	Notices
General	5000ppm		

TWA – the Time-Weighted Average airborne concentrations over an eight hour working day, for a five day week over an entire working life.

STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge, these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Sk Notice – absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Sen Notice- Sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to minute levels of that substance.

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. 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.

**Biological Limit Value:** No biological limit allocated

**Engineering Controls:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards and prevent exposure to vapours, mists and fumes. Use in well ventilated area. Keep containers closed when not in use.

#### Personal Protection Equipment

**Respirator Type (AS 1716):** If inhalation risk exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

**Eye Protection:** Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

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**Glove Type:** Impervious PVC or rubber gloves should be worn.

**Clothing:** Suitable protective clothing should be worn eg: cotton overalls buttoned at neck and wrist.

**Work/Hygienic Practices:** Avoid skin and eye contact. Always wash hands before smoking, eating, drinking or using the toilet.

### 8. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Water Solubility	Soluble
Colour	Fluorescent Yellow/Gold	Vapour Pressure	unknown
Odour	Faint	Vapour Density	Above 1 (air =1)
Boiling Point	Approx 100°C	Evaporation Rate	Slower than butyl acetate
Melting Point	NA	% Volatiles	85%
Freezing Point	NA	Flash Point	Not Flammable
Specific Gravity	1.05g/ml (water =1)	Flammability Limits	NA
Ph (neat)	9-10	Ignition Temperature	NA

**Reactivity:** Stable at normal temperatures and pressure.

**Conditions to Avoid:** Avoid contact with incompatible materials.

**Incompatibilities:** Strong Oxidising Agents, Strong Acids  
Explosive reactions may occur with strong oxidising agents.  
Violent heat producing reactions may occur with strong acids.

**Hazardous Decomposition:** Thermal decomposition products include, sulphur dioxide, carbon dioxide, carbon monoxide, and Nitrous oxides.

**Polymerisation:** Will not polymerise.

### 9. ECOLOGICAL INFORMATION

**General Statement:** Do not allow large quantities (>100L) of the neat product to enter the waterways. The high organic content is likely to affect the Chemical Oxygen Demand (COD) and thus be detrimental to aquatic life.

**Ecotoxicity:** When diluted according to the label this product is not expected to have any toxic effect on aquatic life.

**Persistence and Degradability:** No specific information available for this product

**Mobility:** Very mobile in soil and very soluble in water. No transport to air

### 10. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority for disposal, show this MSDS for their consideration. Empty containers not to be recycled or used for any other purpose. Dispose in accordance with local regulations.

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### 11. TRANSPORTATION INFORMATION

<b>UN No</b>	None allocated
<b>Proper Shipping Name</b>	None allocated
<b>ADG Code</b>	Not Dangerous Goods
<b>Sub Risk</b>	None
<b>Packing Group</b>	None
<b>Special Precautions</b>	None
<b>Hazchem Code</b>	None
<b>EPG</b>	None
<b>Segregations</b>	None

### 12. REGULATORY INFORMATION

**SUSDP:** Not Scheduled

**AICS:** All of the constituents of this material are listed on the ACIS.

### 13. OTHER INFORMATION

**Issue Date:** April 2010

**Reason(s) For Issue:** Initial Issue

#### Labelling Details

Although this material is not hazardous the following safety statements are recommended as part of good Industrial work practices.

- S2 Keep out of reach of children.  
S26 In case of contact with eye/s, do NOT rub eyes as this may scratch the cornea, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear Suitable protective clothing, gloves and eye protection  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label wherever possible).

#### Abbreviations & Acronyms

**SUSPD:** Standard for the Uniform Scheduling of Drugs and Poisons

**ADG:** Australian Code for the Transport of Dangerous Goods by Road and rail

**N.O.S.** Not Otherwise Specified

**CAS No:** Chemical Abstracts Service Registry Number

**UN No:** United Nations Number

**R-Phrases:** Risk Phrases

**S-Phrases:** Safety Phrases

**HAZCHEM Code:** Hazardous Chemical emergency action code

**NOHSC:** National Occupational Health and Safety Commission

**IARC:** International Agency for Research into Cancer

**ACIS:** Australian Inventory of Chemical Substances

**NTP:** National Toxicology Program (USA)

#### Literary references:

Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(41999)]

## Material Safety Data Sheet

National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC: 2011(2003)]  
Exposure Standards for Atmospheric Contaminants in the Occupational Environment  
Guidance Note [NOHSC: 3008(1995)] National Exposure Standards [NOHSC: 10005(1999)]  
List of Designated Hazardous Substances [NOHSC: 10005(1999)]  
Standard for the Uniform Scheduling of Drugs and Poison No. 17  
The Australian Code for the Transport of Dangerous Goods by Road and Rail EDITION 6

### Disclaimer

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace.

Since Minehan Agencies Pty Ltd 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 i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Minehan Agencies Pty Ltd.