

# Material Safety Data Sheet

Infosafe No™ LQ1AA Issue Date : June 2012 ISSUED by COLGATE

Product Name : DYNAMO ULTRA FRONT LOADER HDL DETERGENT - MAXIMUM

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** DYNAMO ULTRA FRONT LOADER HDL DETERGENT - MAXIMUM  
**Company Name** Colgate-Palmolive Pty Ltd (ABN 002 792 163)  
**Address** Australia: Level 14, 345 George Street, Sydney  
NSW 2000 Australia  
**Emergency Tel.** AUS 1800 638 556, NZ: 0800 764766  
**Telephone/Fax Number** Tel: AUS (02) 9229 5600 NZ: 04 576 6700  
Fax: AUS (02) 9229 5700, NZ: 04 568 8835  
**Recommended Use** Laundry detergent  
**Other Information** New Zealand Address: Level 4, 45 Knights Road, Lower Hutt.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** NON-HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Safety Phrase(s)** S25 Avoid contact with eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Sodium tridecyl benzene sulphonate (linear)	26248-24-8	10-<30 %
	Pentasodium Triphosphate	7758-29-4	10-<30 %
	Sodium laureth sulphate	9004-82-4	<5 %
	Sodium carbonate	497-19-8	<5 %
	Tetrasodium pyrophosphate	7722-88-5	<1 %
	Dodecyl dimethyl benzyl ammonium chloride	139-07-1	<0.5 %
	Free Oil (unreacted)	67774-74-7	<0.5 %
	Sodium Hydroxide	1310-73-2	<0.1 %
	Geraniol	106-24-1	<0.1 %
	Limonene	7705-14-8	<0.1 %
	Citronellol	106-22-9	<0.1 %
	Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-	80-54-6	<0.1 %
	Galaxolide	1222-05-5	<0.1 %
	2,6-Dimethyl-7-octen-2-ol	18479-58-8	<0.1 %
	Formaldehyde	50-00-0	<0.01 %
	Ingredients Determined to be Non-Hazardous		Balance

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.  
**Ingestion** Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.  
**Skin** Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.  
**Eye** If in eyes, hold eyelids apart and flush the eyes continuously with running

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## First Aid Facilities

water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.  
Eye wash and normal washroom facilities.

## Advice to Doctor

Treat symptomatically.

## Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

### Suitable

Use extinguishing media suitable for surrounding environment.

### Extinguishing Media

Under fire conditions this product may emit toxic and/or irritating fumes.

### Combustion

### Products

### Specific Hazards

Non-flammable. However under fire conditions, once the aqueous component has been driven off the dried residue may combust. Fire-exposed containers may rupture/explode.

### Precautions in

### connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency

### Procedures

Slippery when spilt. Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe

### Handling

Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for Safe

### Storage

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### National Exposure

### Standards

No exposure value assigned for this specific material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Formaldehyde	1	1.2	2	2.5	Sen
Sodium Hydroxide	-	2 (peak limitation)	-	-	-
Tetrasodium pyrophosphate	-	5	-	-	-

National Industrial Chemicals Notification and Assessment Scheme (NICNAS), Australia recommends that Safe Work Australia lower the current exposure standard for formaldehyde to the following:

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Formaldehyde	0.3	0.36	0.6	0.72	Sen

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15

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minute period which should not be exceeded at any time during a normal eight-hour workday.  
'Sen' Notice: The substance may cause sensitization by skin contact or by inhalation.  
Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.  
No Biological limit available.

**Biological Limit Values**

**Engineering Controls**

No special engineering controls required. However, under industrial applications, provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

**Respiratory Protection**

Not required under normal conditions of use. However for industrial applications, if engineering controls are not effective in keeping airborne concentrations below exposure limit, then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection**

Not required under normal conditions of use. However, avoid eye contact.  
Industrial Applications: The use of safety glasses as appropriate when handling large quantities. Refer to Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**

Not required under normal conditions of use. However for industrial applications wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Footwear**

Not required under normal conditions of use.  
Industrial Applications: Safety boots with non-slip soles as required. Reference should be made to AS/NZS 2210.1: 2010 Safety, protective and occupational footwear-Guide to selection, care and use.

**Body Protection**

Not required under normal conditions of use.  
Industrial Applications: Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque blue liquid.
Odour	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Soluble
Specific Gravity	1.21-1.25
pH Value	10.2-11.4
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Viscosity	2,000-10,000 cps at 25°C
Flash Point	Not applicable
Flammability	Non-flammable
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not applicable

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**Flammable Limits - Upper** Not applicable

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity** Stable under normal conditions of storage, handling and use.

**Conditions to Avoid** Extremes of temperature and direct sunlight.

**Incompatible Materials** Strong oxidising agents.

**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes.

**Hazardous Polymerization** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** No toxicity data are available for this specific product, however the data available for the ingredients are listed below.

**Inhalation** Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Ingestion** Ingestion of large quantities of this product may irritate the gastric tract, causing possible nausea and vomiting.

**Skin** May be irritating to skin. The symptoms may include redness, itching and swelling.

**Eye** May be irritating to eyes. The symptoms may include redness, itching and tearing and lachrymation.

**Chronic Effects** Not available

**Acute Toxicity - Oral** Acute toxicity for Formaldehyde:  
LD50 (Rat, Oral): 500 mg/kg

**Acute Toxicity - Inhalation** Acute toxicity for Formaldehyde:  
LC50 (Rat, Inhalation): 250 ppm/4H

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Not available

**Persistence / Degradability** Not available

**Mobility** Not available

**Environ. Protection** Prevent large quantities of the material from entering the environment.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Dispose of waste according to applicable local and national regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** Road and Rail Transport (ADG Code):  
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):  
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):  
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

**Regulatory Information** Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.  
Not classified as a Scheduled Poison according to the Standard for the Uniform

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**Poisons Schedule** Scheduling of Medicines and Poisons (SUSMP).  
Not Scheduled

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## 16. OTHER INFORMATION

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**Date of preparation** MSDS Created: June 2012

**or last revision of  
MSDS**

**Contact Person/Point** 24Hr Emergency Response  
Australia- 1800 638 556  
New Zealand- 0800 764 766  
...End Of MSDS...

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