

MATERIAL SAFETY DATA SHEET

Product Name: BL10B Truckwash

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Last Reviewed: 1st January 2005

Section 1 – Identification of Chemical Product and Company

Fleetwash Industrial Systems Pty Ltd
Unit 4, 10 Tollis Place
Seven Hills NSW 2147

Ph: 02 9620 9629
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Ingredients	Formula	Conc.	CAS No
ETHANOLAMINE	C4-H11-N-02	<5%	111-42-2
WATER	H2O	>60%	7732-18-5
ADDITIVES		<15%	N/A
SODIUM DODECYLBENZENE SULFONATE	C18-H29-03-S.Na	<15%	25155-30-0
COCONUT ALKANOLAMINE		<10%	8051-30-7
SODIUM TRIPOLYPHOSPHATE	H5-O10-P3-5Na	<10%	7758-29-4
TRIETHANOLAMINE PHOSPHATE	C6-H15-N03.xH3PO4	<5%	10017-56-8

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Appearance	BLUE LIQUID				
Odour	SLIGHT ODOUR				
Use(s)	CLEANING AGENT, TRUCK WASH.				
Quickbreak	Yes				
Poison Sched	None Allocated	Hazchem None Allocated	UN No. None Allocated	D.G Class None Allocated	
Pkg Group	None Allocated	EPG None Allocated		Sub/Tert Risk None Allocated	

Section 2 – Health Hazard

Health Hazard Summary Low toxicity - low irritant. No adverse health effects are anticipated with normal use of this product.

Eye	Irritant. Exposure may result in lacrimation, irritation, pain and redness.
Inhalation	Low irritant. Due to the low vapour pressure of this product, an inhalation hazard is not anticipated
Skin	Low toxicity. With large doses ingestion may result in nausea, vomiting and gastrointestinal irritation.
Ingestion	Low irritant. Prolonged and repeated contact may result in irritation, skin rash and dermatitis.

Section 3 – Precautions

Flammability	Non flammable. No fire or explosion hazard exists.
Reactivity	Incompatible with oxidising agents (e.g. peroxides) and acids (e.g. hydrochloric acid).
Ventilation	Ensure adequate natural ventilation.

Section 4 – Personal Protective Equipment

PPE	Wear splash-proof goggles and rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls.
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Section 5 – Emergency

Spillage	If spilt, absorb with sand or similar. Wear splash-proof goggles, PVC/rubber gloves, coveralls and rubber boots. Collect and place in sealable containers for disposal. Caution: Spill site may be slippery.
Environment	This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities, however larger quantities may cause foaming of waterways with adverse effects on aquatic life. At high levels, may dissolve oils on bird feathers with potential for bird to drown. Not expected to late bioaccumulate.
Fire and Explosion	Non flammable. If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Non flammable.

Section 6 – First Aid

Eye	Flush gently with running water. Seek medical attention if irritation develops.
Inhalation	If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
Skin	Gently flush affected areas with water.
Ingestion	For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

Section 7 – Safe Handling

Storage	Store in cool, dry, well ventilated area, removed from oxidising agents (e.g. hypochlorites), acids (sulfuric acid), heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems.
Waste Disposal	For small amounts absorb with cleaning rags and dispose of to refuse. For large amounts, absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.
Transport	Not regulated for transport purposes.

Section 8 – Physical and Chemical Properties

Flammability:	NON FLAMMABLE Boiling	Flash Point:	NOT RELEVANT
Boiling Point:	121C	Melting Point:	-4 C
Exposure Standard:	3 ppm Diethanolamine	Evaporation Rate:	NOT AVAILABLE
pH:	8.68 (5% solution)	% Volatiles:	< 75%
Specific Gravity:	1.075	Solubility (water)	SOLUBLE
Vapour Pressure:	N/A	Upper Explosion Limit:	NOT RELEVANT
Lower Explosion Limit:	NOT RELEVANT	Quickbreak;	Yes

Section 9 – Additional Information

This Chem Alert Report has been prepared as a material safety data sheet on behalf of the manufacturer, in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC: 2011(1994)]

HAG PHRASES

HAG stands for Hazmat Action Guide. HAG phrases describe in simple terms the hazard associated with chemical products and the appropriate action to take in the event of an emergency involving the product. HAG phrases are commonly used by emergency services.

- (5) Mixes with or is soluble in water
- (8) Fire fighting: Does not burn.
- (9) Form: Liquid.

ADDITIONAL INFORMATION FOR: TRIETHANOLAMINE PHOSPHATE

Concentration in this product: <5%
Molecular Formula: C6-H15-N03.xH3PO4

ADDITIONAL INFORMATION FOR: DIETHANOLAMINE

Concentration in this product: <5%
Molecular Formula: C4-H11-N-02
Molecular Weight: 105.16

HEALTH HAZARDS - HEALTH HAZARD SUMMARY

This product is not classifiable as to its carcinogenicity to humans (IARC Group 3).

HEALTH HAZARDS - EYE

Severe eye irritant. May cause lacrimation, redness and possible corneal burns on prolonged contact.

Additional Information - continued**HEALTH HAZARDS - INHALATION**

Exposure may result in severe irritation, nausea & headache. Other symptoms include coughing, wheezing and shortness of breath.

ES-TWA : 3 ppm (13 mg/m³)

Odour Threshold : Slight ammoniacal odour

WES-TWA: 3 ppm (13 mg/m³)

HEALTH HAZARDS - SKIN

Skin contact may result in severe irritation, burns and possible dermatitis. Concentrations below 5% are not reported to be irritating.

Sensitisation/allergy is rare.

LD50 (Skin): 7640 uL/kg (rabbit)

HEALTH HAZARDS - INGESTION

Estimated lethal dose is 20 grams. Ingestion may result in corrosive lesions in the mouth and oesophagus and possible liver damage.

Alkaline.

LDLo (Ingestion): 3 g/kg (rat)

LD50 (Ingestion): 620 utJkg (rat)

HEALTH HAZARDS - TOXICITY DATA

LD50 (Subcutaneous): 2200 mg/kg (rat)

LD50 (Intravenous): 778 mg/kg (rat)

LD50 (Intraperitoneal): 120 mg/kg (rat)

LD50 (Intramuscular): 1500 mg/kg (rat)

ADDITIONAL INFORMATION FOR: COCONUT ALKANOLAMINE

Concentration in this product: <10%

ADDITIONAL INFORMATION FOR: SODIUM TRIPOLYPHOSPHATE

Concentration in this product: <10%

Molecular Formula: H₅O₁₀P₃5Na

Molecular Weight: 367.86

HEALTH HAZARDS - HEALTH HAZARD SUMMARY

Ingestion of large amounts of sodium tripolyphosphate may result in nausea, vomiting and diarrhoea. May form complexes with calcium in the body and can seriously reduce the levels of serum ionic calcium. May also induce hypernatremia (excess sodium in the blood), hyperphosphatemia (abnormal amounts of phosphorus in the blood) and hypocalcemia (abnormally low calcium in the blood).

HEALTH HAZARDS - EYE

Direct eye contact may result in irritation, pain, redness possible conjunctivitis and damage due to alkalinity.

HEALTH HAZARDS - INHALATION

Inhalation of high dust concentrations may result in mucous membrane irritation with nasal and throat irritation due to the alkaline nature of the dust. At very high levels breathing difficulties may occur.

HEALTH HAZARDS - SKIN

A one percent solution has a pH of approximately 9.8, whilst concentrated solutions have a pH of 10.5 and therefore corrosive injury to the skin is not anticipated.

HEALTH HAZARDS - INGESTION

Absorption of large amounts may result in hypercalcemic tetany, induced by changes in pH and extracellular calcium which increases muscular and nervous excitability.

LD50 (Ingestion): 3100 mg/kg (mouse)

EMERGENCY - ENVIRONMENT

BIOLOGICAL: Sodium tripolyphosphate is not expected to accumulate in the food chain. This compound may be dangerous to aquatic life in high concentrations.

HEALTH HAZARDS - TOXICITY DATA

LD50 (Subcutaneous): 750mg/kg (guinea pig)

LD50 (Intravenous): 71 mg/kg (mouse)

LD50 (Intraperitoneal): 525 mg/kg (rat)

ADDITIONAL INFORMATION FOR: ADDITIVES

Concentration in this product: <15%

ADDITIONAL INFORMATION FOR: SODIUM DODECYLBENZENE SULFONATE

Concentration in this product: <15%

Molecular Formula: C18-H29-03-S.Na

Molecular Weight: 348.52

HEALTH HAZARDS - HEALTH HAZARD SUMMARY

Rats given the compound orally for 6 months showed no ill effects (HSDB). Dermal applications of 10% to abraded skin for 28 days produced no signs of systemic toxicity in rats, but it was a severe skin irritant. Necrosis of the intestinal mucosa was seen in rats receiving 2.5 to 5.0 mL/kg/day in the diet for 22 weeks. Kidney damage was produced by 0.6% in the diet for 6 months (Zondlo, 1993). In dogs, necrosis of the intestine was produced by 15% in the diet for 6 months (Zondlo, 1993).

HEALTH HAZARDS - EYE

Irritating to the eyes.

HEALTH HAZARDS - INHALATION

May irritate respiratory tract.

HEALTH HAZARDS - SKIN

Primary skin irritant.

HEALTH HAZARDS - INGESTION

Moderately toxic by ingestion. May cause nausea, vomiting and diarrhoea.

LD50 (Ingestion): 438 mg/kg (rat)

EMERGENCY - ENVIRONMENT

ATMOSPHERE: Sodium dodecylbenzene sulfonate will exist in its particulate phase, removal from the atmosphere is expected to be by wet deposition. **WATER:** Harmful to aquatic life in low concentrations. No evidence of aquatic bioconcentration. Biodegradation rate is dependent on water temperature. Half life in water is approximately 15 days.

SOIL: Highly mobile, low adsorption potential (HSDB).

HEALTH HAZARDS - TOXICITY DATA

LD50 (Intravenous): 105 mg/kg (mouse)

ADDITIONAL INFORMATION FOR: WATER

Concentration in this product: >60%

Molecular Formula: H2O

Molecular Weight: 18

ADDITIONAL SAFE HANDLING INFORMATION

The additives in this ingredient are described as dodecyl diethanolamine sulfonate and dodecyl monoethanolamine sulfonate

Additional Information - continued

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard. This product is a green rating.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 89322 1711.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

STATUS OF CHEM ALERT REPORTS

Chem Alert reports are compiled as an independent source of information by RMT's scientific department. The information is based on the latest chemical and toxicological research, and in compliance with relevant standards, guidance notes and legislation (where applicable). The Chem Alert report is not intended as a replacement to the manufacturer's original MSDS that is provided to Chem Alert subscribers for convenience. In many instances, Chem Alert reports are compiled on behalf of manufacturers, in which case they serve as the 'Manufacturer's MSDS' and are clearly identified as such on the relevant reports.

Last Reviewed: 1st January 2005

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END OF REPORT