

Material Safety Data Sheet

Olympic Clean

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

ISSUED: June 2011

PRODUCT NAME: OLYMPIC CLEEN
OTHER NAMES: None
RECOMMENDED USE: Water-based cleaner/degreaser for removal of grease, oil & grime by hand, steam cleaner or pressure washer.

SUPPLIER NAME: CBC AUSTRALIA
SUPPLIER ADDRESS: 6 Charlotte Crescent
Wyndham Vale
Victoria, 3024
Australia

TELEPHONE: Enquiries/Emergencies 0413 486 948
Poisons Information 131126 (All Hours)

2. HAZARDS IDENTIFICATION

Hazard Classification: Classified as Hazardous according to criteria of NOHSC.
This product is Corrosive being strongly alkaline.

Hazard Category: Xi - Irritant

Risk Phrase: R36 - Irritating to eyes.
R38 - Irritating to skin.

Safety Phrases: S2 - Keep out of reach of children
S24/25 - Avoid skin and eye contact.

POISONS SCHEDULE (SUSMP) Schedule 5 Approved Name - Alkaline Salts.

ADG Classification: Not classified

ADG Shipping Name: Not classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	PROPORTION (%)
Disodium Metasilicate	6834-92-0	Low < 10%
Butoxyethanol	111-76-2	Low < 10%
Alkylbenzenesulphonic Acid	68584-22-5	Low < 10%
Alkaline Salts	Mixed	Low < 10%
Non-hazardous Ingredients	Mixed	Low < 20%
Water	7732-18-5	To 100%

4. FIRST AID MEASURES

Ingestion: DO NOT induce vomiting, rinse mouth thoroughly with water.
Give a glass of water to dilute material in the stomach.
Seek medical advice or contact the Poisons Information Centre.
Never give anything by mouth to an unconscious person.

Eye: Immediately irrigate with copious quantities of lukewarm, gently flowing water for AT LEAST 15 minutes holding the eyelids open.
Take care not to rinse contaminated water into the non-affected eye.
If irritation persists, obtain medical attention without delay.
Skilled personnel should only undertake removal of contact lenses.

Skin: Immediately wash contaminated area with plenty of lukewarm water. For gross contamination, immediately drench with water and remove contaminated clothing, jewellery and shoes. Decontaminate clothing before re-use. Seek medical attention in the event of prolonged irritation.

Inhaled: Risk of side effects from inhalation is considered to be Low and no first aid measures are normally required. If vapour or mists have been inhaled, remove victim to fresh air and observe till fully recovered. If irritation becomes painful or persists more than 30 minutes, seek medical attention.

Note to physician: Treat symptomatically as for strong alkaline material.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog (or if unavailable fine water mist or spray), foam or dry agent (carbon dioxide, chemical dry powder).

Hazards from combustion products: Non-combustible material. No risk of explosion from this product if involved in a fire. Decomposition products of carbon dioxide and carbon monoxide can be expected from this product.

**Special protective precautions
And equipment for fire fighters:** Wear SCBA and chemical splash suit.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Wear personal protective equipment. Contain using sand or diatomaceous earth. Collect and seal in a properly labelled container. Wash the remaining area with large volumes of water.

Large Spills:

PRECAUTIONS.	Restrict access to area. Clear the area of unprotected personnel. Provide adequate protective equipment and ventilation. Remove chemicals that can react with the spilled material. Spills are slippery.
CLEANUP.	Contain spill or leak. Do not allow entry into sewers or waterways. Diking the area with inert material such as sand or earth should contain spilled solutions. Solutions can be recovered or carefully diluted with water.
DISPOSAL.	Neutralise with dilute acids. Federal, State and local government regulations should be reviewed prior to disposal. Harmful to aquatic life in high concentrations.

7. HANDLING AND STORAGE

Handling: Avoid generating mist or spray. When diluting solution, add water carefully. Label containers. Keep containers closed and upright when not in use. Empty containers may contain hazardous residues. Use smallest amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks etc.) readily available.

Storage: Store in suitable labelled containers. Keep containers tightly closed when not in use or empty. Protect from damage. Containers made of inert plastic are preferred. Storage tanks should be above ground and surrounded by dyke capable of holding entire contents. Limit quantity of material in storage. Restrict access to storage area. Post warning signs where appropriate. Keep storage area separate from populated work areas. Inspect periodically for deficiencies such as damage or leaks.
Not to be stored with Dangerous Goods of Classes 1, 4.3, 5.1, 5.2 or 7 or foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: None assigned for this mixture.

Atmospheric Contaminant Exposure Standards have been established for the following ingredients. Their low concentration in the product as well as the concentration of the product after dilution for use should be taken into account.

Butoxyethanol:	TWA - 121 mg/m ³ (25ppm).	STEL – None Assigned
Alkaline Salts:	TWA - 2 mg/m ³ (peak limitation).	STEL – None Assigned

TWA is the Time Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

STEL (Short Term Exposure Limit) is the average airborne concentration over a 15-minute period, which should not be exceeded at any time during a normal eight-hour day.

Peak Limitation (if quoted) is a ceiling concentration, which should not be exceeded over a measurement period, which should be as short as possible, but not exceeding 15 minutes.

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. These exposure standards should not be used as a fine dividing line between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls:

Maintain concentrations below recommended exposure limit.

Engineering control methods that reduce hazardous exposures are preferred. General methods include mechanical ventilation, dilution and general exhaust, process or personnel enclosure, control of process conditions and process modification (e.g. substitution of less hazardous material). Administrative controls and personal protective equipment may also be required. Exhaust directly to the outside. Use local exhaust ventilation, and process enclosure if necessary, to control airborne mist/sprays.

Personal Protective Equipment (PPE):

Respiratory: If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection equipment meeting the requirements of AS/NZS 1715:2009. Inspect the equipment regularly to ensure that it is in good working order.

Eye/face Protection: Splash proof chemical safety goggles meeting AS/NZS 1336:1997 & AS/NZS 1337.6:2007.

Skin Protection: Impervious rubber or PVC gloves meeting AS/NZS 2161. Full coveralls meeting AS 2919 and rubber boots meeting AS2210 may be necessary for tasks involving large quantities or movement of product or where splashing is a risk.

A safety shower or eye wash fountain should be readily available.

Wash hands thoroughly after handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour:	Clear, Yellow, low viscosity liquid, Citrus odour.
Melting Point:	Liquid at normal temperatures.
Boiling Point:	Approx. 100? C
Density at 15.5C	1.05 grams/mL (approximately)
Solubility:	Complete
pH (as is):	12.9
Flash Point:	Not combustible
Volatiles:	90%
Flammable Limits:	Not flammable

10. STABILITY AND REACTIVITY

- Chemical Stability:** This product is stable and unlikely to react or decompose under normal storage conditions.
- Incompatible Materials:** Strong Acids
- Conditions to Avoid:** Do not store in aluminium or galvanised containers. Store away from acids.
- Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxide.
- Hazardous Reactions:** Corrosive to metals (Aluminium, Zinc and Tin).

11. TOXICOLOGICAL INFORMATION

- Health Effects:** No adverse health effects expected if the material is handled in accordance with the Material Safety Data Sheet. Available data suggests that the product is a mild irritant to the skin and eyes.
- Acute Effects**
- Swallowing:** This product is a mild irritant to the oral system.
 - Eye:** Product may be irritating to the eyes. May cause transient blindness if not treated promptly.
 - Skin:** Product may be irritating to the skin. Long term exposure may lead to contact dermatitis.
 - Inhaled:** Not harmful by inhalation. The vapour may be an irritant to the mucous membranes and respiratory tract. Severe injury is usually avoided by self-limiting coughing and sneezing symptoms.
- Long Term Effects:** Repeated or prolonged skin contact can cause chronic contact dermatitis. Persons with pre-existing skin disorders or eye problems, or impaired kidney or respiratory function may be more susceptible to the effects of the substance. Continued irritation may lead to increased susceptibility to respiratory illness. No documented data available.
- Toxicity Data:** Toxicity Data: (for Butoxyethanol)
 Oral LD50 (rat): 530-3000mg/kg
 Dermal LD50 (rabbit): 100-610 mg/kg.
 Inhalation LC50 (rat): 450-490 ppm/4H
 Carcinogen Status: No
 Skin Sensitiser: No
 Local Effects: Irritant: inhalation, skin, eye, and ingestion
 Acute Toxicity: Nil

More detailed information about the effects of chemicals on health can be obtained from NOHSC Australia.

12. ECOLOGICAL INFORMATION

- Ecotoxicity:** No ecological information is available for this product, however it is not considered harmful to aquatic organisms.
 For the ingredient Butoxyethanol - 24 hr LC50 (goldfish):1650 mg/L. 7 day LC50 (guppy): 983 ppm.
 For Disodium Metasilicate a 96 hours median tolerance for fish (*Gambusia affinis*) was 2320ppm.
- Persistence and Degradability:** The majority of ingredients of this product biodegrade naturally and the remainder will be slowly neutralised in most situations.

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Containers should be completely emptied prior disposal.
If possible recycle containers, in-house or via a recycle company.
If this is not practical, send to a commercial waste disposal site. Do NOT dispose into sewers or waterways.

14. TRANSPORT INFORMATION

UN Number: None assigned
UN Proper Shipping Name: None Assigned
Dangerous Goods Class: ADG Class 8
Subsidiary Risk: Not applicable
Packing Group: III
Special Precautions for User:
EPG Code: None assigned

15. REGULATORY INFORMATION

Classified as Hazardous according to the criteria of Worksafe (NOHSC) Australia, Schedule 5 poison according to SUSDP (Standard for the Uniform Scheduling of Drugs and Poisons).
All constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Date Of Revision of this MSDS: June 2011

References:

- (1) National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)].
- (2) Approved Criteria For Classifying Hazardous Substances [NOHSC:1008 (2004)]
- (3) List of Designated Hazardous Substances [NOHSC:10005 (1999)].
- (4) Standards Australia SAA/SNZ HB76:2010 "Dangerous Goods – Initial Response Guide" (2010)
- (5) Australian Dangerous Goods Code 7th Edition (2007).

MSDS are updated frequently. Please ensure that you have a current copy (not more than 5 years old).

PLEASE NOTE there may be uses or applications of this product, which is protected by patents. Customers in their own interests should take the necessary steps to avoid infringement of such patents. This MSDS summarises our best knowledge of the health and safety hazard information of the product; how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled and used. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact CBC Australia. Our responsibility for products sold is subject to our standard terms and conditions.

End MSDS