

# MATERIAL SAFETY DATA SHEET



# BioChem Solutions

## 1. Product and Company Identification

**PRODUCT NAME:** Detergent OPL Liquid Detergent

**ADDRESS:** BioChem Solutions  
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Ellerslie  
Auckland

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**EMERGENCY:** INTERNATIONAL +643 479 7227

**NEW ZEALAND:** NATIONAL 0800 764 766

## 2. Hazards Identification

**HAZARD CLASSIFICATION:** Classified as non-hazardous according to the criteria of Safe Work Australia.

Not classified as a dangerous good according to the criteria of ADG Code (see section 14). **Not** classified as schedule poison according to the criteria of SUSMP (see section 15)

**HAZARD CATEGORY:** None

**RISK PHRASES:** None

**SAFETY PHRASES:** None

*The information contained in this MSDS is specific to the product when handled and used neat. This product when diluted may not require the same control measures as the neat product. Check with your technical representative if in doubt.*

## 3. Composition and Information on Ingredients

INGREDIENT Cas No. PROPORTION (% w/w)

*The ingredients below are considered either hazardous, dangerous goods or poison scheduled according to the criteria of SW/I, ADG Code and SUSMP (respectively) at the levels used in the product.*

### NO INGREDIENTS

*The ingredients below are not considered either hazardous, dangerous goods or poison scheduled according to the criteria of SW/I, ADG Code and SUSMP (respectively) at the levels used in the product.*

dye	<10%
solvent	<20%
non-ionic surfactants	10-~30%
optical brighteners	<10%
preservative	<50%
water	>40%

## 4. First Aid Measures

**EYE CONTACT: SKIN CONTACT: INHALATION**

**FIRST AID FACILITIES: NOTES TO PHYSICIAN:**

Immediately remove product from the mouth and rinse mouth out with water. Contact a doctor or the Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766) for further advice.

Protective equipment should be worn. Risk assessments should always be conducted to identify the hazards and in turn determine the appropriate personal protective equipment for the hazard.

Whilst protective equipment is not mandatory, examples of recommended protective equipment are listed below.

**Protective Gloves:** elbow-length nitrile or PVC impervious gloves. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information.

**Eye Protection:** safety/glasses/goggles with side shield protection. Consult AS/NZS 1336 and AS/NZS 1337 for further information.

**Clothing and Footwear:** waterproof apron, trousers, long sleeved shirt, closed in shoes and/or safety footwear. Consult AS/NZS 2210 and AS/NZS 2919 for further information.

**Respiratory Protection:** Avoid breathing mist, sprays or vapours. Where ventilation is not adequate, respiratory protection may be required meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Irrigate with copious quantities of water for at least 15 minutes and seek medical attention if effects persist. Remove contaminated clothing and wash skin thoroughly with water. Seek medical attention if the effects persist. Remove from source of exposure to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position. Seek medical assistance if effects persist. Portable water should be available to rinse eyes or skin. Provide eye baths and safety showers. Treat symptomatically.

## 5. Fire Fighting Methods

**Suitable Extinguishing Media:** Water spray, foam, carbon dioxide or dry chemical powder.

**Hazards from Combustion:**

**Precautions for Fire fighters and Special Protective Equipment:**

**Hazard Code:**

This product is non-combustible; however, the packaging material may burn to emit noxious fumes. Fire fighters should wear self-contained breathing apparatus to minimize risk of exposure to vapor or products of combustion.

## 6. Handling and Storage

Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. Avoid eye contact and repeated or prolonged skin contact. Do not eat, drink or smoke in contaminated areas. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Store in the original container, in a cool, dry, well-ventilated area out of sunlight and away from other chemicals and foodstuffs.

Keep containers closed when not in use to ensure contamination does not occur. Do not combine part drums of the same product, as this may be a source of contamination. Do not mix with other chemicals.

## 7. Exposure Controls/Personal Protection

**NATIONAL EXPOSURE STANDARDS:**

No value assigned for this specific material by SWA.

**BIOLOGICAL LIMIT VALUES:**

No biological limit allocated.

**ENGINEERING CONTROLS:**

Natural or local exhaust ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

**PERSONAL PROTECTIVE EQUIPMENT:**

Protective equipment is recommended: PVC or nitrile rubber gloves, safety glasses and safety shoes. Observe good standards of hygiene and cleanliness. Trousers, long sleeved shirt and closed in shoes or safety footwear should be worn as a general precaution.

## 8. Physical and Chemical Properties

**Appearance:** Light Blue water thin liquid

**Odour:** Solvent

**PH (Neat):** 7-8

**Specific Gravity or Density: Vapour Pressure:** 1.02

<b>Percent Volatiles:</b>	80%
<b>Boiling Point:</b>	100 deg C
<b>Solubility:</b>	100% with water
<b>Flash Point:</b>	N/A
<b>Flammability Limit:</b>	N/A
<b>Ignition Temperature:</b>	N/A
<b>Shelf Life:</b>	2 years from date of manufacture

## 9. Stability and Reactivity

<b>Chemical Stability:/</b>	Stable under normal conditions of use. The shelf life is two years
<b>Conditions to Avoid:</b>	
<b>Incompatible Materials:</b>	Do not combine part drums of the same product, as this may be a source of contamination.
<b>Hazardous Decomposition Products:/ DO NOT mix with bleach or any other product, especially acids anionic detergent. The</b>	
<b>Hazardous Reactions:</b>	packaging material may burn to emit noxious fumes.
<b>Incompatible Materials:</b>	Not known

## 10. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects:

**Eye Contact:Skin Contact:Inhalation:**

### Long Term Effects:

**Acute Toxicity/Chronic Toxicity:** No adverse effects expected, however large amounts may cause nausea and vomiting.  
 Capable of causing irritation if swallowed.  
 Capable of causing irritation.  
 Capable of causing irritation with long and repeated skin contact.  
 Available information indicates that there is little or no hazard when vapours from the product are inhaled.  
 No information available. No LD50 data available for the product.

## 11. Ecological Information

<b>Ecotoxicity:</b>	Avoid contaminating waterways.
<b>Persistence and Degradability:</b>	Surfactant is considered readily biodegradable to AS4351
<b>Mobility:</b>	No information available.
<b>Other:</b>	None

## 12. Disposal Considerations

<b>Disposal methods:</b>	Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorized discharge to sewer.
<b>Special Precautions For:</b>	The product is suitable for disposal by landfill through an approved agent.
<b>Landfill or Incineration:</b>	Incineration of the product is not recommended, as it is unlikely to adequately burn.

## 13. Transport Information

### Road and Rail Transport:

<b>UN NUMBER:</b>	N/A
<b>UN PROPER SHIPPING NAME:</b>	N/A
<b>CLASS AND SUBSIDIARY RISK(S): PACKAGING GROUP:</b>	N/A
<b>HAZCHEM CODE:</b>	N/A
<b>SEGREGATION DANGEROUS GOODS:</b>	N/A

### Marine Transport:

<b>UN NUMBER:</b>	<b>1824</b>
<b>UN PROPER SHIPPING NAME: CLASS AND SUBSIDIARY RISK(S): PACKAGING GROUP:</b>	<b>DG 8 Sodium Hydroxide 11</b>
<b>HAZCHEM NUMBER</b>	<b>2R</b>
<b>EMS</b>	<b>FA/SB</b>

**Air Transport:****UN NUMBER:****UN PROPER SHIPPING NAME: CLASS AND SUBSIDIARY****RISK(S): PACKAGING GROUP:**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road and rail.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

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

**14. Regulatory Information****LEGEND:**

AICS	Australian Inventory of Chemical Substance
APVMA	Australian Pesticides and Veterinary Medicines Authority
AQ IS	Australian Quarantine and Inspection Service
AS	Australian Standard (as issued by Standards Australia)
ASCC	Australian Safety and Compensation Council (formerly NOHSC)
HSNO	Hazardous Substances and New Organisms
MSDS	Material Safety Data Sheet
NOHSC	National Occupational Health and Safety Commission
STEL	Short Term Exposure Limit – A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons (formerly SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons).
SWA	Safe Work Australia (formerly ASCC).
TGA	Therapeutic Goods Administration.
TLV	Threshold Limit Value – TLV is a proprietary name registered by the American Conference of Government Industrial Hygienists (ACGIH) and refers to airborne concentrations of substances or levels of physical agents to which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect.
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 working week.

Not scheduled. Not relevant. Not relevant.

Poisons Schedule (AUST): APVMA STATUS:

TGA STATUS: AICS STATUS: AQIS STATUS: NZFSA STATUS:

ASUREQUALITY STATUS:

NEW ZEALAND.

All the constituents of this product are listed.

HSNO Approval Number: HSR002530; Hazard Classifications: No data; Group Standard Name: Cleaning Products (Subsidiary Hazard) Group Standard 2006

**15. Other Information**

**GENERAL INFORMATION:** Use in the final rinse or in a fabric softener dispenser. DO NOT pour undiluted product directly onto clothes. DO NOT use a fabric softener if the water supply is discoloured.

In any event, the review and, if necessary, the re-issue of a MSDS shall be no longer than 5 years after the last date of issue.

**REASON(S) FOR ISSUE: 1:** New.

**THIS ISSUE NUMBER REPLACES ALL PREVIOUS ISSUES.**

**LITERARY REFERENCE: SOURCES FOR DATA:**

*This MSDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely 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 company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.*

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