



Product Name: PROSOL QB
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MATERIAL SAFETY DATA SHEET

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

Not classified as hazardous according to criteria of National Occupational Health and Safety Commission.

PRODUCT

Product Name: PROSOL QB
Product Description: Degreaser
Product Code:
Intended Use: Cleaning Agent

COMPANY IDENTIFICATION

Supplier: Lidomont Pty Ltd ACN 010 867 428 trading as **PROLUBE**
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SECTION 2

HAZARDS IDENTIFICATION

Hazard Classification:

This product is classified as **hazardous** according to the criteria of Workplace Australia.

Product is **not** classified as a dangerous good according to the criteria of the Australian Dangerous Goods Code.

Refer to Section 15, Regulatory Information, for hazard classification criteria.

POISON SCHEDULE NUMBER: None Allocated.

HEALTH HAZARDS

Highly Alkaline, may cause burns and serious damage to eyes. Low order of toxicity. Exposure may result in respiratory irritation.

Risk Phrases : R41 Risk of Serious Damage to Eyes

Safety Phrases: S1 S40 S13 S27 S45 S46

Keep Locked Up

To clean the floor and all objects contaminated with this material use water

Keep away from food, drink and animal feedstuffs

Remove all contaminated clothing immediately



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Note: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Hazardous Substance(s) or Complex Substance(s)

Name	CAS#	Concentration*	Symbols/Risk Phrases
2-butoxyethanol	111-76-2	<10%	None
Alkaline salts	6834-92-0	<10%	R41
Surfactants		<10%	None
Water	7732-18-5	>80%	None
Other ingredients determined as non hazardous		To 100%	None

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Other ingredients determined not to be hazardous up to 100%.

SECTION 4 FIRST AID MEASURES

INHALATION

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

SKIN CONTACT

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

EYE CONTACT

Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

INGESTION

Rinse mouth out with plenty of water. If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, **DO NOT** induce vomiting. Give a glass of water.



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SECTION 5

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Oxides of carbon, Incomplete combustion products, Smoke, Fume,

FLAMMABILITY PROPERTIES

Flash Point [Method]: Nonflammable [ASTM D-93]

Flammable Limits (Approximate volume % in air): N/A

Autoignition Temperature: N/D

SECTION 6

ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

SPILL MANAGEMENT

Land Spill: Slippery when spilt. Clean up all spills immediately. Avoid contact with skin. Stop leak if you can do so without risk.

Contain / Control Product by use of absorbent bunds.

Absorb excess product onto suitable biodegradable absorbent and dispose of via bioremediation or fixation. DO NOT discharge a major spill to drains.

Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.



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SECTION 7 HANDLING AND STORAGE

HANDLING

When handling concentrate use safety glasses with side shields.
Avoid skin contact with concentrate as detergent properties may lead to defatting of skin. Use polyethylene gloves or PVC gloves or rubber gloves and safety footwear.
Ensure ready access to eye wash unit and emergency shower.

STORAGE

Do not store in open or unlabelled containers. Store in original containers.
Use plastic pail or polyliner drum. DO NOT use aluminium, galvanised or tin-plated containers.
Store away from incompatible materials and foodstuff containers. Check regularly for leaks and physical damage.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits/standards for materials that can be formed when handling this product:

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

Biological limits

No biological limits allocated.

ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions.
Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

Particulate

No special requirements under ordinary conditions of use and with adequate ventilation.



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For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

Polyethylene, PVC, Rubber

Eye Protection: If contact is likely, safety glasses with side shields are recommended. Contact lenses pose a special hazard, soft lenses may absorb irritants and all lenses concentrate them.

Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

Long sleeve and long pants will provide protection.

Rubber apron or plastic apron

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practise good housekeeping.

ENVIRONMENTAL CONTROLS

See Sections 6, 7, 12, 13.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Physical State: Liquid

Colour: Clear Flouro green

Odour: Eucalyptus like

Odour Threshold: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15 C): 1.04 – 1.06

Flash Point [Method]: Non flammable [ASTM D-93]

Flammable Limits (Approximate volume % in air): N/A

Autoignition Temperature: N/D

Boiling Point / Range: 100°C

Vapour Density (Air = 1): N/D

Vapour Pressure: N/A

Evaporation Rate (N-Butyl Acetate = 1): Similar to Water

pH: Undiluted 12, 1% in distilled water 10.8



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Solubility in Water: Miscible
Viscosity: approx 1.0 cSt at 40 C
Oxidising properties: See Sections 2, 15, 16.

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat. High energy sources of ignition.

INCOMPATIBLE MATERIALS: Strong acids, oxidisers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS REACTIONS: Alkali

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity

<u>Route of Exposure</u>	<u>Conclusion / Remarks</u>
INHALATION	
Toxicity (Rat): LC50 > 5000 mg/m ³	N/A
Irritation: Data available.	N/A
INGESTION	
Toxicity (Rat): LD50 > 2000 mg/kg	N/A.
Skin	
Toxicity (Rabbit): LD50 > 2000 mg/kg	N/A
Irritation (Rabbit): Data available.	N/A.
Eye	
Irritation (Rabbit): Data available.	N/A

CHRONIC/OTHER EFFECTS

For the product itself:

Strong Alkali, may burn skin and cause severe eye damage

Contains:

Alkali salts



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SECTION 12

ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Ecological fate of mixture has not been directly determined— Ecological fate of components is documented and shows minimal environmental impact under normal release conditions. High concentration of product would prove toxic to aquatic organisms due to impairment of oxygen exchange / respiratory function. No detergent product should be released directly to the environment at high concentration levels.

Biodegradability rates of component parts suggest product to be readily biodegradable as defined in Australian Standards with > 98% biodegradable within 28 days.

Surfactants used are readily degraded in biological systems.

Overall level of inorganic phosphates = < 1%

Other inorganic components have little, if any, environmental impact at normal dilution rates.

Product contains no VOC components.

MOBILITY

Miscible with water

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Disposal of small amounts of concentrate is most easily achieved by dilution and discharge to the local sewerage treatment system. Disposal of larger amounts may require that the product be passed on to a competent chemical waste disposal authority or contractor. Product should never be disposed of into natural watercourses or stormwater systems or directly into the environment without appropriate treatment.

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14

TRANSPORT INFORMATION

LAND (ADG) : Not Regulated for Land Transport

SEA (IMDG) : Not Regulated for Sea Transport according to IMDG-Code



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AIR (IATA) : Not Regulated for Air Transport

SECTION 15 REGULATORY INFORMATION

Material is not hazardous as defined by the Approved Criteria for Classifying Hazardous Substances NOHSC:1008.

Product is not regulated according to Australian Dangerous Goods Code.

No Poison Schedule number allocated by the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) established under the Therapeutic Goods Act.

SECTION 16 OTHER INFORMATION

KEY TO ABBREVIATIONS AND ACRONYMS:

N/D = Not determined, N/A = Not applicable, STEL = Short-Term Exposure Limit, TWA = Time-Weighted Average

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

12/1/12 Address change.

The information and recommendations contained herein are, to the best of Prolube's knowledge and belief, accurate and reliable as of the date issued. You can contact Prolube to insure that this document is the most current available from Prolube. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users.

Prepared By: Lidomont Pty Ltd
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Contact Point: See Section 1 for Local Contact number

End of (M)SDS