

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

POWER CLEAN

Substance Aqueous Alkaline Solution

Product Use Cleaner to remove surface stains and deteriorated weathered coatings

Other Name/s Not applicable

Supplier Quantum Timber Finishes

5/a Apsley Place.

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AUSTRALIA

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For advice, contact a poisons information centre (Phone 131126) or a doctor at once.

SECTION 2 – HAZARDS IDENTIFICATION

This product is NOT a dangerous good.

This product is classified as **HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission (NOHSC).

Symbols Xn – Harmful

Risk Phrases R38, R41 Irritating in contact with skin. Risk of serious damage to eyes

Safety Phrases S1/2 Keep locked up and out of the reach of children

S24/25 Avoid contact with skin and eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 After contact with skin, flush with water

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Proportion
Soda Ash	497-19-8	<5%
Iso Propyl Alcohol	67-63-0	<1%
Sodium Metasilicate	6834-92-0	<5%
Sodium Percarbonate	4452-58-8	<1%
d-Limonene	5989-27-5	<1%
Water	7732-18-5	>85%

This is commercial product designed for a wide ranging cleaning application and the exact components may vary slightly. Various other minor ingredients of a non hazardous nature may also occur.

SECTION 4 – FIRST AID MEASURES

Scheduled

Poison

Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons.

Telephone: **13 11 26** (in Australia), Telephone: **0800 764 766** (in New Zealand)

Inhalation Not considered an inhalation hazard. In the event of perceived effects move patient to fresh air.

Skin Contact Remove contaminated clothing, wash skin with copious amounts of water, finishing with a mild application of warm water,

Eye Contact Wash eyes immediately with large amounts of water or normal saline solution, regularly lifting upper and lower lids, for 15 minutes. Seek medical attention immediately.

Note to physician: Can cause corneal burns.

Ingestion Rinse mouth thoroughly with cold water. DO NOT induce vomiting. Give a large quantity of water. If vomiting occurs naturally, keep head lower than hips to help prevent aspiration. Seek medical attention if required.

Notes to Physician Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire & Explosion Hazards This material presents no known fire or explosive hazard and forms no known hazardous decomposition products.

Extinguishing Media No special extinguishing media required. Fight fire as per materials actually involved in fire.

Fire Fighting There is no risk of explosion from this material. Move containers from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Fire decomposition products are unlikely to occur and are not expected to be harmful.

Flash point Non-flammable

Auto-ignition temperature: Not applicable.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Accidental Release

Wear appropriate personal protective equipment and clothing to minimize exposure. Isolate hazard area and evacuate all unnecessary personnel. Stop leak if safe to do so. If possible, contain the spill. Place inert absorbent material such as sand or other non-combustible material onto and around spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain and neutralise with a weak acid solution if available. If the spilled material enters sewers or other waterways, contact the Environmental Protection Authority or your local Waste Management Authority.

Disposal Considerations Dispose of waste according to federal, EPA and state regulations. Labels should not be removed from containers until they have been cleaned. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

SECTION 7 – HANDLING AND STORAGE

Storage This material contains a Scheduled Poison S6 -. Observe all relevant regulations regarding the sale, transport and storage of this schedule poison. Make sure that containers of this product are kept tightly closed.

Handling Wear appropriate personal protective equipment and clothing to minimize exposure. Open containers cautiously as contents may be under pressure. Keep containers sealed when not in use. Maintain high standards of personal hygiene (ie. wash hands after handling and prior to eating, drinking, smoking or using toilet facilities).

SECTION 8 – EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Limits No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety & Health Service (OSH) of the New Zealand Department of Labour.

No special equipment or procedures are usually specified for a weak alkaline solution of this nature. However, normal good work practices as outlined below will contribute to a safer workplace.

Ventilation Conventional airflow is generally considered sufficient. Ensure compliance with applicable NOHSC exposure limits (see above). Where airflow is inhibited a fan is recommended.

Eye Protection Wear splash resistant safety glasses, goggles or face shield. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 – *Eye Protectors for Industrial Applications*. Ensure an emergency eye wash bottle is readily accessible in the event of an eye contact incident.

Skin Protection Wear impervious protective clothing, including boots, gloves and coveralls, as appropriate, to prevent skin contact. Use of a barrier cream before use will provide additional protection.

Protective Material Types PVC or neoprene (incidental contact/splash protection). Check with personal protective equipment (PPE) suppliers for additional recommendations

Respirator: A respirator is not usually considered necessary when using this product.

SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES

Physical Appearance Clear, low viscosity liquid.

Odour Mild citrus odour

Vapour Pressure 2.37kPa @ 20degrees C (water vapour pressure)

Freezing Point Below Zero centigrade

Vapour Density As for water

Boiling Point Approx. 100°C

Flash Point Non-flammable

Specific Gravity 1.03 ± 0.02

Auto-ignition Temperature Not applicable

Water Solubility Infinite

pH: 11 – 11.5

Flammability Limits Non-flammable

SECTION 10 – STABILITY and REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Conditions to Avoid: Avoid contact with incompatible materials. Keep containers tightly closed.

Incompatibilities: Acids, active metals (eg aluminium, tin, zinc, magnesium, and their alloys etc).

Hazardous Decomposition: Decomposition products are only expected after evaporation to dryness. Carbon dioxide and possibly carbon monoxide especially in smoke, which may cause dizziness and headaches. Sodium and silicon salts at very high temperatures may also decompose but would be in very small quantities even for a bulk quantity.

Polymerization: Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Contains schedule S6 poison at less than 1% concentration..

Inhalation: Not an inhalation hazard

Ingestion: Treat as for Schedule S6 poison.

Skin May cause redness, itching and irritation.

Eye May cause eye irritation, tearing, stinging, blurred vision, and redness.

Chronic Effects Chronic exposure may cause skin irritation and dermatitis.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity This product is unlikely to have an effect on the land and soil environment due to it being a very dilute solution and expected only to be used in small quantities and further diluted. It does contain ingredients which will be harmful to aquatic organisms in both concentrated and dilute form.

Persistence/Degradability No data available for this product

Mobility No data available for this product

Environment Protection Do not allow product to enter drains, waterways or sewers.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA and state regulations. Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

SECTION 14 – TRANSPORT INFORMATION

Transport: According to the ADG code this product is not classified as Dangerous Goods.

EPG Number

8A1

IMDG Marine Pollutant (MP) Not a marine pollutant.

SECTION 15 – REGULATORY INFORMATION

Poisons schedule: S6

AICS (Australia) All of the major ingredients in this product are listed in NICNAS regulations. The alkaline salts are referenced in the SUSMP..

SECTION 16 – OTHER INFORMATION

Initial document created 30 August 2012.

Reason/s for Issue Updated to comply with NOHSC:2011(2003) – *Code of Practice for the Preparation of MSDS*

Prepared by Sam Thompson (Chemist)

Quantum Timber Finishes Pty Ltd maintains Material Safety Data Sheets (MSDS) on all of its products. This MSDS summarizes information that you need to be aware of to protect your employees, customers and yourself against issues relating to health and safety hazards associated with this product. It is recommended that you obtain the respective MSDS prior to using each product. Information contained in this MSDS is, to the best of our knowledge, accurate and reliable, however no guarantee is given nor intended as conditions of handling and use are beyond our control. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Quantum Timber Finishes

References NOHSC:2011(2003) – *Code of Practice for the Preparation of MSDS*

NOHSC:1008(2004) – *Approved Criteria for Classifying Hazardous Substances*

Australian Safety & Compensation Council - <http://hsis.ascc.gov.au/Searches.aspx>

The Australian Code for the Transport of Dangerous Goods by Road and Rail

AS/NZS 1336:1997 – *Recommended practices for occupational eye protection*

AS/NZS 1337:1992 – *Eye protectors for industrial applications*

AS 1678.8A1:2004 – *Emergency procedure guide - Transport - Class 8 substances - Corrosive substances*

AS/NZS 2161.1:2000 – *Occupational protective gloves - Selection, use and maintenance*

AS/NZS 2161.2:2005 – *Occupational protective gloves - General requirements*

AS/NZS 2430.3.1:2004 – *Classification of hazardous areas - Examples of area classification - General*

AS 3780:1994 – *The storage and handling of corrosive substances*

Registry of Toxic Effects of Chemical Substances, US Dept. of Health & Human Services: Cincinatti, 2004

Chemical hazards of the workplace, 2nd ed. Proctor, Nick H., et al, Philadelphia, USA: J. B. Lippincott Co., 1988

END OF MSDS