

Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Deep Clean
Other Names	Cleaning solution. Product code 846. Corrosive Liquid NOS (Contains quaternary ammonium compounds)
Recommended Use	For cleaning moss and mould from surfaces.
Company Name	Resene Paints (Australia) Limited.
Address	7 Production Avenue Molendinar, Queensland 4214.
Emergency Tel	Available Monday – Friday, 8:00 a.m. – 5:00 p.m.
Free Call	1800 738 383
Phone	07 3287 0222
Fax	07 3287 0226

SECTION 2. HAZARDS IDENTIFICATION

Hazard Statement HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
According to the criteria of the Safe Work Australia and the ADG code.

GHS Classification	Sensitisation – Respiratory	Category 1
	Sensitisation - Skin	Category 1
	Skin Corrosion/Irritation	Category 1
	Serious Eye Damage/Irritation	Category 1
	Specific Target Organ Toxicity – Repeated exposure	Category 2

Label Elements



DANGER

Hazard Statements Causes allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Causes severe skin burns and eye damage.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements Use only in a well-ventilated area.
Do not breathe fumes, mists, vapours, sprays.
In case of inadequate ventilation, wear respiratory equipment.
Wear protective gloves/eye protection/face protection and other personal protection as required.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Do not eat, drink or smoke while handling this product.
Avoid release to the environment.
Clean up spillage.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion (v/v) %
	Didecyldimethylammonium chloride	7173-51-5	< 10
	Benzoalkonium chloride	8001-54-5	< 10
	Water	7732-18-5	> 60

SECTION 4. FIRST AID MEASURES

Swallowed	Rinse mouth with copious quantities of water. Do NOT induce vomiting. If you feel unwell get medical advice/attention.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTRE or doctor.
Skin (or hair)	Remove all contaminated clothing and wash before re-use. Wash skin with plenty of soap and water/ shower. If skin irritation or rash occurs get medical advice or attention.
Inhaled	Remove victim to fresh air and keep at rest in a comfortable position for breathing. See medical advice if you feel unwell.
First Aid Facilities	Safety shower and eye wash facilities.
Aggravated medical conditions caused by exposure.	Severely irritating to eyes causing tearing, stinging, blurred vision and redness potentially leading to permanent damage. Contact with skin may cause burns. Prolonged or repeated skin contact with the liquid may cause Irritant Contact Dermatitis. Inhalation of vapour or mists may cause irritation to the respiratory tract. May be harmful if swallowed, in contact with skin or inhaled. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in the workplace atmosphere, should be avoided. Ingestion in any form can be avoided by observing correct occupational hygiene.
Advice to Doctor	Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher	Foam, CO ₂ Dry chemical
Hazards from combustion products	Not known.
Special protective precautions and equipment for fire fighters	Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
Hazchem code	2X

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency procedures	Avoid contact with spilled or released material. Avoid breathing vapour and avoid contact with skin and eyes. Control personal contact by using protective equipment. Clean up spills immediately.
Environmental precautions	Prevent, by any means available, spillage from entering drains or water course or soil. May pose a hazard to the aquatic environment.

Methods and materials for containment and clean up.	Minor spills Contain and absorb small quantities with vermiculate or other absorbent material.
	Major spills Clear area of personnel and move upwind. Alert fire brigade and tell them location and nature of hazard. Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling	When handling, DO NOT eat drink or smoke. Always wash hands with soap and water. Observe proper occupational work practices.
Conditions for safe storage, including any incompatibilities	Check all containers are clearly labelled and free from leaks. Keep containers securely sealed. Store in a cool dry, well-ventilated area, away from sources of ignition. Avoid storage with acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture From the NOHSC "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" Refer www.nohsc.gov.au/OHSInformation/publications

Component	TWA (mg/m ³)	STEL (mg/m ³)
Ammonium chloride (fume)	10	20

Biological Limit Values No biological limit allocated

Engineering Controls -

Personal Protective Equipment

Eyes. Safety glasses with side shields; or as required, Chemical goggles.
Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Hands Wear chemical resistant gloves.

Protective Clothing Skin protection not ordinarily required beyond standard issue work clothes.
Wear safety footwear.

Respiratory Protection Not required under normal conditions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.
Odour	Mild ammonia odour.
pH	6.3
Vapour pressure	2.33
Vapour density	> 1
Boiling point	100°C (Variable)
Melting Point	0°C (Variable)
Solubility	Can be diluted with water
Density	0.9 Kg/L
Percent Volatile	91

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Product is considered stable under normal storage and handling conditions.
Conditions to avoid	Presence of incompatible materials.
Incompatible materials	Strong oxidising/reducing agents.
Hazardous decomposition products	Oxides of carbon and nitrogen Amines, hydrogen chloride.
Hazardous reactions	Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological information for this product is not available. Reference is made, where possible, to the individual constituents.

Acute Health Effects:

Swallowed:	GHS Acute toxicity category 5: May be harmful if swallowed. Irritation and possible corrosion of the mucous membranes with burning pain in the mouth, throat and abdomen.
Eye:	Severely irritating to eyes causing tearing, stinging, blurred vision and redness. Serious damage to eyes may result if removal is delayed. Vapour also causes irritation.
Skin:	Corrosive to skin upon repeated or prolonged contact. May result in dermatitis or sensitization.
Inhaled:	Vapour or mist is irritating to mucous membranes and respiratory system. Excessive inhalation can cause headache, nausea, dizziness or asphyxiation.

Chronic Health Effects:

None known with this product.

SECTION 12. ECOLOGICAL INFORMATION

Harmful to the aquatic environment with long lasting effects.
Contain spillages. Prevent from entering drains, waterways, or sewers.

Mobility:	Product is mobile and may contaminate groundwater
Persistence/degradability:	Not known
Bioaccumulation:	Not known

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Consult State Land Waste Management Authority for disposal.
Special precautions for landfill or incineration	Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed or recycled. Recycle containers if possible, or dispose of in an approved landfill.

SECTION 14. TRANSPORT INFORMATION

UN Number	1760
UN Proper shipping name	CORROSIVE LIQUID N.O.S. (Contains quaternary ammonium compounds)
Class	8
Subsidiary risk	None
Packing Group	III
Special precautions for user	The use of a quantity of material in an unventilated or confined space may result in increased exposure or an irritating atmosphere developing. Before commencing consider the use of mechanical ventilation to control exposure.
Hazchem Code	2X

SECTION 15. REGULATORY INFORMATION

Poison Schedule 5 – Quaternary Ammonium Compounds

FIRST AID	A	For advice, contact a Poisons Information Centre, Australia 13 1126, New Zealand 0800 764 766, or a doctor (at once).
	E2	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

The principle components of this material are listed on the Australian Inventory of Chemical Substances (AICS).

NZ HSNO CCID: 6.1E 6.5A 6.5B 6.9B 8.2B 8.3A 9.1B 9.3C
 NZ ERMA Approval: HSR002526 Cleaning Products (Corrosive)

SECTION 16. OTHER INFORMATION

Date of Preparation: 7th November 2012

Supersedes: 14th July 2010

Literature references.

AICS Search page – NOHSC <http://www.nicnas.gov.au/industry/aics/search.asp>

Preparation of Safety Data Sheets for Hazardous Chemicals. *Code of Practice 2011*.

Australian Dangerous Goods Code – 7th Edition.

SDS's for individual raw materials.

National Exposure Standards for Atmospheric Contaminants in the Occupational Environment. [NOHSC: 1003(1995)]

Standard for the Uniform Scheduling of Medicines and Poisons. No. 2

Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Third Revised Edition. United Nations. New York and Geneva, 2009.

ESIS (European chemical Substances Information System)
<http://esis.jrc.ec.europa.eu/>

CCID (Chemical Classification and Information Database)
<http://www.epa.govt.nz/search-databases/pages/hsno-ccid.aspx>

Abbreviations:

NOHSC National Occupational Health and Safety Commission

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
LD ₅₀	Median lethal dose
LC ₅₀	Median lethal concentration.
TWA	Time weighted average. The average airborne concentration of a particular substance when calculated over a normal 8 hour working day, for a five-day working week.
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 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 4 times per day. There should be at least 60 minutes between successive exposures at the STEL.
CAS Number	Chemical Abstract Service registry number

Safety data sheets are updated frequently. Please ensure that you have a current copy.

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END OF SDS