Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name **Resene Brush Cleaner**

Other Names Solvent. PAINT RELATED MATERIAL. Product Code: 821000_.

Recommended Use Emulsifiable solvent for brush cleaning

Company Name Resene Paints (Australia) Limited T/A Altex Coatings.

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 GHS and the ADG code.

GHS Classification

Flammable liquid	Category 2
Toxic to Reproduction	Category 2
Skin Corrosion/Irritation	Category 2
Aspiration Hazard	Category 1
Specific Target Organ Toxicity (repeated exposure)	Category 2
Specific Target Organ Toxicity (single exposure)	Category 3

Label Elements

DANGER

Hazard Statements
Highly flammable liquid and vapour.
Suspected of damaging fertility or the unborn child.
Causes skin irritation.
May be fatal if swallowed and enters airways.
May cause damage to organs through prolonged or repeated exposure.
May cause drowsiness or dizziness.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat, sparks, open flames, hot surfaces – No smoking.
Keep container tightly closed.
Ground container and receiving equipment.
Use explosion-proof electrical, ventilation, lighting and other equipment.
Use non sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves, eye (or face) protection and other personal protection as required.
Wash thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe vapour.
Use only outdoors or in a well-ventilated area.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion %
	Toluene	108-88-3	> 60
	Alcohols, C12 – C14 secondary, ethoxylated	84133-50-6	10 - < 30

SECTION 4. FIRST AID MEASURES

If exposed or concerned, or if you feel unwell, get medical advice or attention.

Swallowed Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting. Rinse mouth with plenty of water then provide liquid slowly and as much as the person can comfortably drink. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Skin (or hair) Remove immediately all contaminated clothing and wash before reuse. Wash skin with plenty of soap and water/shower. Call a POISON CENTRE or doctor if you feel unwell. Get medical advice if skin irritation occurs.

Inhaled Remove victim to fresh air and keep at rest in a comfortable position for breathing. Call a POISON CENTRE or doctor if you feel unwell.

First Aid Facilities Eye wash facilities

Symptoms caused by exposure The normal routes of exposure are usually by skin contact with the material and/or inhalation of the vapour.
Initial contact with this product may cause skin and eye irritation.
Vapours may cause drowsiness or dizziness.
Long term use may cause defatting of the skin which may lead to Irritant Contact Dermatitis.
Inhalation of vapour over an extended period may result in nervous system impairment and liver and blood changes.
Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
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.

Medical Attention and Special Treatment Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Extinguisher For small fires - Alcohol stable foam or carbon dioxide.
For large fires - Water spray or fog, or dry chemical powder.
Do not use water in a jet.

Hazards from combustion products On combustion, this product may emit toxic fumes of carbon monoxide and carbon dioxide. May emit clouds of acrid smoke.

Special protective precautions and equipment for fire fighters Wear breathing apparatus plus protective clothing and gloves.
Prevent, by any means available, spillage from entering drains or water course.
DO NOT approach containers suspected of being hot.
Cool fire exposed containers with water spray from a protected location.
If safe to do so, remove containers from path of fire.
Vapours are heavier than air and can spread along the ground to distant ignition sources causing flashback.

Hazchem code 3[Y]E

SECTION 6. ACCIDENTAL RELEASE MEASURES

Emergency procedures Avoid contact with spilled or released material. Avoid breathing vapour and avoid contact with skin and eyes.

Environmental precautions Prevent, by any means available, spillage or fire fighting media from entering drains or water course. Acutely toxic to the aquatic environment.

Methods and materials for containment and clean up.

Minor spills
Contain and absorb small quantities with vermiculate or other non-flammable absorbent material.
Wipe up.
Control personal contact by using protective equipment.
Collect residues in a suitable waste container.

Major spills
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.
Collect recoverable product into labelled containers for recycling.
After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling
Avoid all personal contact, including inhalation.
Use and store in a well ventilated area.
When handling, DO NOT eat drink or smoke.
Avoid contact with incompatible materials.
Always wash hands with soap and water.
Observe proper occupational work practices.
Keep containers securely sealed when not in use.
Launder contaminated clothing before use.

Conditions for safe storage including any incompatibilities
Store locked up.
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 oxidisers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards for mixture
No exposure standard has been established for this product.
Exposed individuals are not reasonably expected to be warned, by smell, that the exposure standard is being exceeded.
If the breathing zone concentration of ANY of the components is exceeded then the individual is deemed to be over exposed.

Component(s) with exposure standards	TWA		STEL	
	ppm	mg/m^3	ppm	mg/m^3
Toluene	50	191	150	574

Biological Limit Values No biological limits set for this product.

Biological Monitoring Not Required.

Engineering Controls Use in a well ventilated area.
General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances. If risk of overexposure exists, wear an approved respirator in compliance with AS1716.

Personal Protection

Eyes. Safety glasses with side shields.
Chemical goggles.
Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
DO NOT wear contact lenses.

Hands Wear chemical protective gloves, e.g. Nitrile or nitrile-butatoluene rubber.
Do not use cotton, leather, PVC, rubber or polyethylene gloves as they will absorb the solvents.

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

Respirator Selection of the Class and Type of respirator will depend on the level of confinement of the contamination. The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent, light orange liquid.
Odour	Solvent odour
PH	Not applicable
Vapour pressure	22 @ 20°C
Vapour density	3.14
Boiling point	Approx 110°C
Flash Point	4°C
Solubility	Insoluble in water – emulsifies
Density	0.89 Kg/L
UEL	7.1
LEL	1.2

SECTION 10. STABILITY AND REACTIVITY

Chemical stability Product is considered stable.

Conditions to avoid Ignition sources
Presence of incompatible materials.

Incompatible materials Flammable liquids should not be stored with:-
Class 1 – Explosives
Class 2 – Flammable gases
Class 2.3 – Poisonous gases
Class 4.2 – Spontaneously combustible substances
Class 5.1 – Oxidising agents
Class 5.2 – Organic peroxides
Class 7 – Radioactive substances.

Hazardous decomposition products	Carbon monoxide may be evolved if incomplete combustion occurs.
Hazardous reactions	Reacts violently with strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Inhaled.

Harmful by inhalation. LC_{50} (rat)>20mg/l/4 hours. Vapour concentrations above exposure limits may be irritating to the eyes and respiratory tract. May cause headaches and dizziness. Prolonged exposure may result in unconsciousness.

Skin Contact.

May cause moderate irritation to skin. Will have a degreasing effect on the skin.

Eye Contact.

Moderate to severe eye irritant. Vapours may also irritate. Will cause discomfort and may cause redness, itching or blurred vision.

Swallowed.

Harmful if swallowed, LD_{50} (rat)>2000mg/kg. Can result in irritation, headaches, nausea, vomiting and diarrhoea. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can by fatal.

Chronic Health Effects:

Repeat exposure to high doses can affect the nervous system, or may cause liver or kidney damage.
Prolonged contact may cause defatting of the skin which can lead to contact irritant dermatitis.
There is sufficient evidence, from animal studies, to suggest that exposure to toluene shows reason for concern owing to possible developmental toxic effects.

SECTION 12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment. Do not empty into drains. GHS classification; Hazardous to the Aquatic environment – Category Acute 2.

Toluene:

Fish	: Toxic 1<LC/EC/IC_{50} <= 10 mg/L
Aquatic Invertebrates	: Harmful: 10<LC/EC/IC_{50} <= 100 mg/L
Algae	: Low toxicity: LC/EC/IC_{50} > 100 mg/L

Mobility - Floats on water, highly mobile and may contaminate groundwater.
Persistence/degradability – Readily biodegradable. Oxidises by photo-chemical reactions in air.
Bioaccumulation – Does not bioaccumulate significantly.

Alcohols, C12 – C14 secondary, ethoxylated:

Fish	: Toxic: LC_{50} (96 Hrs.) 3.7mg/L, Species: *Lepomis macrochirus Bluegill*
Aquatic Invertebrates	: Very toxic: EC (48 Hrs.) 0.29mg/,L Species: *Daphnia magna*
Algae	: Very toxic: EC_{50} (96 Hrs.) 0.05mg/L, Species: *Scenedesmus subspicatus*

Mobility/Persistence/Bioaccumulation – Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Consult State Land Waste Management Authority for disposal. Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area.

Special precautions for landfill or incineration	Incinerate residue at an approved site. Recycle containers if possible, or dispose of in an approved landfill. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

SECTION 14. TRANSPORT INFORMATION

UN Number	1263
UN Proper shipping name	PAINT RELATED MATERIAL
Class	3 Flammable Liquid
Subsidiary risk	None
Marine Pollutant	No
Packing Group	II
Special precautions for user	The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Before commencing consider the use of mechanical ventilation to control exposure.
Hazchem Code	3[Y]E

SECTION 15. REGULATORY INFORMATION

Poison Schedule 6 [SUSMP]
AICS: Listed

FIRST AID:

A For advice, contact a Poisons Information Centre, Australia 13 1126; New Zealand 0800 764 766, or a doctor at once.
G3 If swallowed, do NOT induce vomiting.

SAFETY DIRECTIONS:

1, 4 & 8 Avoid contact with eyes, skin and avoid breathing dust, vapour or spray mist.

SECTION 16. OTHER INFORMATION

Date of Preparation: 3rd April 2013

Supersedes: 4th May 2010

Literature references.

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

Australian Dangerous Goods Code – 7th Edition.

MSDS's for individual raw materials.

Safe Work Australia Hazardous Substances Information System Exposure Standards.
http://hsis.safeworkaustralia.gov.au/ExposureStandards

ESIS: European chemical substances information system.
http://esis.jrc.ec.europa.eu/

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.

Hazardous Substances New Organisms [HSNO] CCID NZ database;
http://www.epa.govt.nz/search-databases/Pages/HSNO-CCID.aspx

Abbreviations:

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
STEL	Short term exposure limit
CAS Number	Chemical Abstract Service registry number

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

The information contained herein is based on data considered accurate and reliable to the best of our knowledge and belief as of the date compiled. However no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use hereof. Resene Paints (Australia) Limited assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material, Such users or vendors assume all risks associated with the use of the material. It is the users' responsibility to satisfy themselves as to the suitability and completeness of the information for their own particular use. The user must determine whether the use of the information and data is in accordance with local laws and regulations.

END OF SDS