Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Swimming Pool Paint
Other Names: PAINT. Product Code: 4947.
Recommended Use: Paint, based on modified chlorinated rubber technology, suitable for the internal coating of swimming pools. This technology produces stable coatings, which are suitable for long term immersion in water.

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:
- Flammable Liquid: Category 2
- Acute Toxicity - Inhalation: Category 4
- Acute Toxicity - Dermal: Category 4
- Skin Irritation/Corrosion: Category 2
- Serious Eye Damage/Irritation: Category 2
- Sensitisation – Skin: Category 1
- Specific Target Organ Toxicity – Single exposure: Category 3
- Toxic to Reproduction (effects on or via lactation): Category 3

Label Elements:

DANGER

Hazard Statements:
- Highly flammable liquid and vapour.
- Harmful if inhaled.
- Harmful in contact with skin.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause an allergic skin reaction.
- May cause drowsiness or dizziness.
- May cause harm to breast-fed children.

Precautionary statements:
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- Keep container tightly closed.
- Ground/Bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/fighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
Wear protective gloves/eye protection/face protection and other personal protection as required.
Avoid contact during pregnancy/while nursing.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Avoid breathing fumes/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Name</th>
<th>CAS</th>
<th>Proportion (v/v) %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>30 – 60</td>
<td></td>
</tr>
<tr>
<td>Methyl ethyl ketone [MEK]</td>
<td>78-93-3</td>
<td>10 - &lt; 30</td>
<td></td>
</tr>
<tr>
<td>Chlorinated paraffins, C_{14-17}</td>
<td>85535-85-9</td>
<td>&lt; 10</td>
<td></td>
</tr>
<tr>
<td>Reaction product: Bisphenol-A, - (epichlorhydrin)</td>
<td>25068-38-6</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td>Ingredients determined to be non-hazardous</td>
<td></td>
<td>Balance</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Swallowed
Rinse mouth with plenty of water then provide liquid slowly and as much as the person can comfortably drink.
If swallowed DO NOT induce vomiting. If vomiting occurs, place person on their left side, tilt head back to maintain open airway and to prevent aspiration.
Observe patient and seek medical advice.

Eyes
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists, get medical advice or attention.

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
If breathing is difficult, remove to fresh air and keep at rest in a comfortable position for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.

First Aid Facilities
Safety shower and eye wash facilities.

Aggravated medical conditions caused by exposure.
The normal routes of exposure are usually by skin contact with the material and/or inhalation of the vapour.
Contact with skin or eyes causes irritation. Prolonged or repeated skin contact with the liquid may cause defatting of the skin which may lead to Irritant Contact Dermatitis. May cause sensitisation by skin contact. May exacerbate pre-existing skin conditions.
Inhalation of vapour or mists may cause irritation to the respiratory tract.
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
Basic life support. Treat symptomatically. Watch for signs of respiratory insufficiency and assist ventilation as necessary in the event of an allergic reaction.
SECTION 5.  FIRE FIGHTING MEASURES

Extinguisher
- Alcohol stable foam.
- Dry chemical powder.
- Carbon dioxide.
- For large fires - water spray or fog.

Hazards from combustion products
- On combustion, this product may emit toxic fumes of carbon monoxide (CO).
- May emit clouds of acrid smoke.

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.
- DO NOT approach containers suspected of being hot.
- May be violently or explosively reactive.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.

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. 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.
- This product poses a long-term hazard 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.
- Collect residues in a flammable 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.
- Use only spark-free shovels and explosion proof equipment.
- Collect recoverable product into labelled containers for recycling.
- Collect solid residues and seal in labelled drums for disposal.

SECTION 7.  HANDLING AND STORAGE

Precautions for safe handling
- Use and store in a well ventilated area.
- Avoid smoking, naked lights, heat or ignition sources.
- When handling, DO NOT eat drink or smoke.
- Vapour may ignite on pumping or pouring due to static electricity.
- DO NOT use plastic buckets.
- Use spark free tools when handling
- Always wash hands with soap and water.
- Observe proper occupational work practices.

Conditions for safe storage including any incompatibilities
- Store in a metal can or drum in an approved flammable liquids storage area.
- 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.

<table>
<thead>
<tr>
<th>Component</th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>80</td>
<td>350</td>
<td>150</td>
<td>655</td>
</tr>
<tr>
<td>MEK</td>
<td>150</td>
<td>445</td>
<td>300</td>
<td>890</td>
</tr>
</tbody>
</table>

Biological Limit Values
No biological limits allocated.

Biological monitoring
Not required.

Personal Protection

Eyes. Wear safety goggles.
Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

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 resin and solvents.

Clothing Standard issue work clothes, e.g. overalls should be worn, preferably with an apron.
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. Refer to AS1716 for selection of appropriate respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Blue viscous liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild solvent odour</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not established</td>
</tr>
<tr>
<td>Vapour density</td>
<td>&gt;1 (air = 1)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not established</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not established</td>
</tr>
<tr>
<td>Flash Point</td>
<td>-4°C closed cup</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Density</td>
<td>1.132</td>
</tr>
<tr>
<td>UEL</td>
<td>Not established</td>
</tr>
<tr>
<td>LEL</td>
<td>Not established</td>
</tr>
<tr>
<td>VOC</td>
<td>565.2 g/Lt</td>
</tr>
</tbody>
</table>

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

Hazardous reactions

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:  Expected to be of low to moderate toxicity: LD$_{50}$>2000mg/kg, Rat (Xylene or MEK). Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. May cause irritation to the mouth, throat, oesophagus, and stomach with nausea, abdominal discomfort, vomiting and diarrhoea.

Eye:  Irritating to eyes causing tearing, stinging, blurred vision and redness.

Skin:  May cause moderate skin irritation. Skin irritation studies for rabbit (xylene) 500mg/24 hours.

Inhaled:  Harmful by inhalation, LC$_{50}$ (rat)>20mg/l/4 hours (xylene or MEK). Inhalation of vapours may cause irritation to the respiratory system. Inhalation of high concentrations may cause central nervous system depression resulting in headaches, dizziness, drowsiness and nausea. Continued inhalation may result in unconsciousness, coma and even death.

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 dermatitis. Xylene is reported to have caused hearing loss in laboratory animals on exposure to high concentrations. However, this effect has not yet been reported in humans. Animal tests have also shown that xylene could possibly cause toxicity to human reproduction or development. This material contains one ingredient considered to have the potential to cause sensitization by skin contact. Exposure to a sensitizer, once sensitization has occurred, may manifest itself as a skin rash or inflammation or as an asthmatic condition, and is some individuals this reaction can be extremely severe.

SECTION 12.  ECOLOGICAL INFORMATION

Toxic to aquatic organisms. May cause long-term effects in the aquatic environment. Avoid release to the environment

Xylene  LC$_{50}$ values reported for marine and freshwater fish range from 1.7 – 305 mg/l

Bisphenol-A-(epichlorydrin), reaction product

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC$_{50}$ flathead minnow (96hr):</td>
<td>3.1 mg/L</td>
</tr>
<tr>
<td>EC$_{50}$ daphnia magna (48hr immobilization):</td>
<td>1.4 – 1.7 mg/L</td>
</tr>
</tbody>
</table>

Persistence/Degradability and Mobility

Product is mobile and may contaminate groundwater. The volatile component of this product is rapidly degraded in the atmosphere and will not bio accumulate significantly.
Based on OECD guidelines, Bisphenol-A-(epichlorhydrin), reaction product cannot be considered to be readily biodegradable (12% biodegradation in 28 days, OECD test 302B). However, this does not mean that the material will not degrade under environmental conditions.

SECTION 13. DISPOSAL CONSIDERATIONS

<table>
<thead>
<tr>
<th>Disposal methods and containers</th>
<th>Consult State Land Waste Management Authority for disposal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special precautions for landfill or incineration</td>
<td>Incinerate residue at an approved site. Recycle containers if possible, or dispose of in an approved landfill.</td>
</tr>
</tbody>
</table>

SECTION 14. TRANSPORT INFORMATION

| UN Number | 1263 |
| UN Proper shipping name | PAINT |
| Class | 3 Flammable Liquid |
| Subsidiary risk | None |
| Marine Pollutant | Aquatic Chronic Category 3 |
| 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: | 5 |
| Safety directions: | |
| 1 | Avoid contact with eyes |
| 4 | Avoid contact with skin |
| 8 | Avoid breathing vapour |
| First aid instructions: | |
| A | For advice, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 764 766 or a doctor (at once). |
| G3 | If swallowed, do NOT induce vomiting. |

The hazardous components listed in Section 3 of this SDS appear in the Australian Inventory of Chemical Substances (AICS) database.

SECTION 16. OTHER INFORMATION

| Date of Preparation: | 7th November 2012 |
| Supersedes: | 29th November 2011 |

Literature references.


SDS’s for individual raw materials.
Abbreviations:

ADG  Australian Code for the Transport of Dangerous Goods by Road & Rail
NOHSC  National Occupational Health and Safety Commission
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.

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END OF SDS