Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name          RUST-ARREST
Other Names           PAINT. Product Code: 41000
Recommended Use       Alkyd anti-corrosive primer.
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 3
                        Skin Irritation/Corrosion Category 2
                        Specific Eye Damage/Irritation Category 2A
                        Specific Target Organ Toxicity (Single Exposure) Category 3

Label Elements

WARNING

Hazard Statements      Flammable liquid and vapour.
                        Causes skin irritation.
                        Causes serious eye irritation.
                        May cause respiratory irritation.

Precautionary statements

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/lighting 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.
Wash thoroughly after handling.
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>Naphtha (petroleum), hydrodesulfurized heavy</td>
<td></td>
<td>64742-82-1</td>
<td>10 - &lt; 30</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic</td>
<td></td>
<td>64742-95-6</td>
<td>10 - &lt; 30</td>
</tr>
<tr>
<td>Zinc phosphate</td>
<td></td>
<td>7779-90-0</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy aromatic</td>
<td></td>
<td>64742-94-5</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Xylene</td>
<td></td>
<td>1330-20-7</td>
<td>&lt; 10</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 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. Inhalation of vapour or mists may cause irritation to the respiratory tract. Vapours may cause drowsiness and dizziness. 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.

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
Carbon monoxide and/or Carbon dioxide may be evolved. Vapour is heavier than air, can spread along ground and distant ignition is possible.

Special protective precautions and equipment for fire fighters
Wear full protective clothing and self contained breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. DO NOT approach containers suspected of being hot. Heated containers 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]

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.

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 in a well ventilated area.
- When handling, DO NOT eat drink or smoke.
- Always wash hands with soap and water.
- Observe proper occupational work practices.
- Do NOT allow clothing wet with this material stay in contact with skin.
- Persons should wear protective clothing, gloves and use protective cream on face, hands and exposed areas.

**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 oxidisers.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National exposure standards for mixture**
- No exposure standard has been established for this product.
- The petroleum solvent products listed in the ingredients have not been assigned National Exposure Standards. However, as a guide for controlling exposure, the exposure standards for the petroleum solvent mixtures listed below should be adopted.
- Exposed individuals are not reasonably expected to be warned, by smell, that the exposure standard is being exceeded.

<table>
<thead>
<tr>
<th>Component</th>
<th>Breathing Zone (TWA) ppm</th>
<th>Breathing zone (TWA) mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>80</td>
<td>350</td>
</tr>
<tr>
<td>White Spirits</td>
<td>-</td>
<td>790</td>
</tr>
<tr>
<td>Mineral Turpentine</td>
<td>-</td>
<td>480</td>
</tr>
</tbody>
</table>

**Biological Limit Values**
- No biological limits allocated.

**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; or as required, Chemical goggles. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

**Hands/Feet**
- Wear chemical protective gloves.
- Wear safety footwear.

**Other**
- Skin protection not ordinarily required beyond standard issue work clothes.
**Respirator**  If work practices do not maintain airborne levels below exposure standards, use appropriate respiratory protection equipment as specified in AS1716. Selection of the Class and Type of respirator will depend on the level of confinement of the contamination.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Red 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>1.2kPa</td>
</tr>
<tr>
<td>Vapour density</td>
<td>4.0</td>
</tr>
<tr>
<td>Boiling point</td>
<td>147°C</td>
</tr>
<tr>
<td>Freezing/melting point</td>
<td>0ºC</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Density</td>
<td>1.5 Kg/L</td>
</tr>
<tr>
<td>Flash Point</td>
<td>39ºC</td>
</tr>
<tr>
<td>UEL</td>
<td>7.2%</td>
</tr>
<tr>
<td>LEL</td>
<td>0.9%</td>
</tr>
<tr>
<td>Auto ignition temperature</td>
<td>416ºC</td>
</tr>
<tr>
<td>Volatile by weight</td>
<td>27%</td>
</tr>
</tbody>
</table>

### SECTION 10. STABILITY AND REACTIVITY

**Chemical stability**  Product is considered stable.

**Conditions to avoid**  Ignition sources

**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 and/or Carbon dioxide may be evolved.

**Hazardous reactions**  Vapour is heavier than air, can spread along ground and distant ignition is possible.

### SECTION 11. TOXICOLOGICAL INFORMATION

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

**Acute Health Effects:**

**Inhaled.**

Inhalation of vapours or mists may cause irritation to the respiratory system.

**Skin Contact.**

Irritant. Dermal LD₅₀ (rat): >2,000 mg/Kg (solvent naphtha). May cause inflammation of the skin on contact in some persons. May accentuate any pre-existing dermatitis condition. Entry into the blood stream through cuts, abrasions, etc, may produce systemic injury with harmful effects.
Swallowed:
Expected to be of low toxicity: LD50>2000mg/kg, Rat (Solvent Naphtha). Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. May cause irritation to the mouth, throat, esophagus, and stomach with nausea, abdominal discomfort, vomiting and diarrhea.

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

Chronic Health Effects:
Prolonged skin contact with the liquid may cause defatting of the skin. This can result in drying, cracking and irritation of the skin. Long term use may result in Dermatitis.
Inhalation of solvent over an extended period may result in nervous system impairment and liver and blood changes.

SECTION 12. ECOLOGICAL INFORMATION

No data available for this product, however it is considered to be harmful to the aquatic environment based on data for individual components.
Do not allow entry into drains or waterways.

Solvent naphtha
Fish: Toxic 1 <LC/EC/IC50 <= 10 mg/L
Aquatic Invertebrates: Toxic 1 <LC/EC/IC50 <= 10 mg/L
Algae: Toxic 1 <LC/EC/IC50 > 10 mg/L

Mobility: Product is mobile and may contaminate groundwater. It is unlikely to be absorbed to sediments or soils.
Persistance/degradability: May persist in the environment.
Bioaccumulation: Has the potential to bioaccumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods and containers Consult State Land Waste Management Authority for disposal.
Special precautions for landfill or incineration Incinerate residue at an approved site.
Recycle containers if possible, or dispose of in an approved landfill.

SECTION 14. TRANSPORT INFORMATION

UN Number 1263
UN Proper shipping name PAINT
Class 3 Flammable Liquid
Subsidiary risk None
Packing Group III
Marine Pollutant Yes – Contains zinc phosphate
Hazchem Code 3[Y]

SECTION 15. REGULATORY INFORMATION

Poison Schedule 5 under SUSMP 3– contains Liquid Hydrocarbons > 25%

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 Avoid contact with eyes.
4 Avoid contact with skin.
8 Avoid breathing dust, vapour or spray mist.
The hazardous components listed in Section 3 of this SDS appear in the Australian Inventory of Chemical Substances (AICS) database.

NZ HSNO Classification: 3.1C 6.3A 6.4A 6.8A 6.9B 9.1B
HSR002662 Surface Coatings & Colorants (Flammable)

SECTION 16. OTHER INFORMATION

Date of Preparation: 29th October 2013
Replaces: 4th May 2010

Literature references.

SDS’s for individual raw materials.
Resene NZ SDS for this product.
Standard for the Uniform Scheduling of Medicines and Poisons. No. 3
HSNO CCID Database – www.epa.govt.nz/search-databases/

Abbreviations:

NOHSC National Occupational Health and Safety Commission
ADG Australian Code for the Transport of Dangerous Goods by Road & Rail
LD₅₀ Median lethal dose
LC₅₀ 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
HSNO Hazardous Substances New Organisms
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END OF SDS