



# SAFETY DATA SHEET

## 1. IDENTIFICATION

**PRODUCT(S):** LIGHT RUST & METAL CONDITIONER

**Supplier In Australia:** Concept Paints  
**Address:** 26 - 30 Charles Street, St Marys, Australia. 2760  
**Telephone Number:** +61 2 96732555  
**Emergency Telephone:** +61 2 96732555 (Monday to Friday 8am to 5pm)

**Supplier In NZ:** Concept Paints NZ  
**Address:** 39 Burrows Street, Tauranga, New Zealand  
**Telephone Number:** +64 7 557 1638  
**Emergency Telephone:** +64 7 557 1638 (Monday to Friday 8am to 5pm)

**Recommended Use:** Conditioner for Metal and Light Rust.

## 2. HAZARDS IDENTIFICATION

**Classification:**

- **HAZARDOUS SUBSTANCE.**
- **DANGEROUS GOODS.** (According to the criteria of ADG Code and NZ 5433.)

CLASSIFICATION	GHS CATEGORY	NZ CATEGORY	SIGNAL WORD	HAZARD STATEMENT
Acute Toxicity – Dermal	5	6.1E (Dermal)	None	May be harmful in contact with skin.
Acute Toxicity – Oral	4	6.1D (Oral)	None	Harmful if swallowed.
Skin Corrosion/ Irritation	1A	8.2B	Warning	Causes severe skin burns and eye damage.
Eye Damage/ Irritation	1	8.3A	Danger	Causes serious eye damage.
Corrosive to Metals	1	8.2B	Warning	May be corrosive to metals.
Specific Target Organ Toxicity (Single Exposure)	3	6.9 (Narcotic)	Warning	May cause drowsiness or dizziness.
Hazardous To The Aquatic Environment – Long Term Hazard	4	9.1D	None	May cause long lasting harmful effects to aquatic life.

Exotoxic To Terrestrial Vertebrates		9.3C	None	Harmful to terrestrial vertebrates.
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**Hazard Symbols:**



**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/ventilation/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth.
- DO NOT induce vomiting.
- IF ON SKIN (or hair): Remove /take off immediately all contaminated clothing. Rinse skin with water/shower.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- If eye irritation persists: Call a POISON CENTER or doctor/physician.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Absorb spillage to prevent material damage.
- Store in a well-ventilated place. Keep container tightly closed. Keep cool.
- Store locked up.
- Store in a corrosive resistant container with a resistant liner.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity / Hazardous Component	CAS Numbers	Proportion by wt.
Acetone	108-88-3	10 - 30%
Phosphoric Acid	7664-38-2	10 - 30%

This product(s) also contains 30 - 60% of other ingredients which are considered non-hazardous in accordance with ASCC/NOHSC and NZ HSNO criteria.

### 4. FIRST AID MEASURES

#### Route of Exposure      First Aid Measures

**Ingestion:** Give a glass of water. Do NOT induce vomiting. Place patients head downwards if vomiting occurs. Prevent it entering lungs, as aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Immediately call a POISON CENTER or doctor/physician.

**Eye:** Immediately irrigate with large quantities of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Call a POISON CENTER or doctor/physician.

**Skin:** Wash exposed area thoroughly with soap and water. Remove contaminated clothing. If skin irritation occurs: Get medical advice/attention.

**Inhaled:** Give fresh air, careful not to become a casualty yourself. Remove and loosen clothing. If breathing is normal make patient comfortable and keep warm till recovered. If breathing is difficult ensure the airways are clear and have a qualified person give oxygen from a face mask. If breathing has stopped commence (EAR) and if cardiac arrest has occurred, commence (CPR) and get medical advice/attention urgently.

**Advice To Doctor:** Treat Symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Not considered a fire hazard. Water spray may be used to keep fire exposed containers cool.

**Hazards from Combustion Products:** Not prone to combustion. However, Phosphorus Oxides may form when heated to decomposition. Also if involved in a fire, toxic materials such as carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapour, traces of hydrogen cyanide, hydrogen chloride gas, hydrogen fluoride gas, various chlorine and/or fluorine compounds as well as hydrocarbons may form.

**Precautions for Firefighters:** Not considered to be a fire hazard. If safe to do so, remove containers from the path of the fire and keep cool with water spray.

Firefighters should wear self contained breathing apparatus with a full face and operated in the positive pressure mode.

**Hazchem Code:** 3[X]

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** In case of an accidental release or spill, evacuate the danger area. Wear the correct Personal Protective Equipment (See section 8 of SDS). Do not breathe vapours. Extinguish all ignition sources and shut off the source of the spill. Ventilate the area.

**Environmental Precautions:** Avoid release to the environment by bunding or covering drains. Neutralise with alkaline material (lime, soda ash).

**Containment:** Contain and absorb the spill with absorbent material such as sand, soil or vermiculite. Transfer the material into drums, using non-sparking tools. Seal and label the drums. Contact the appropriate waste management authority for disposal.

## 7. HANDLING AND STORAGE

**Precautions For Safe Handling:** Wear the correct Personal Protective Equipment (See Section 8 of the SDS) when using this product. Ground the container and receiving equipment whilst using. Only use non-sparking tools and take precautionary measures against static discharge.

Only use in a well-ventilated area or preferably apply the product in a spray paint booth with an adequate exhaust system and explosion-proof electrical, ventilation, and lighting equipment.

Never eat, drink or smoke whilst handling this product. Always wash hands thoroughly after using this product and before smoking, eating, drinking or using the toilet.

**Conditions For Safe Storage:** Keep containers away from heat/sparks/open flames/ hot surfaces. Store containers in a well-ventilated area and away sources of ignition, oxidising agents and/or foodstuffs. Store containers in a cool place and out of direct sunlight. Keep containers tightly closed when not in use and check regularly for leaks. Store in a corrosive resistant container with a resistant liner.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	TLV –TWA (mg/m <sup>3</sup> )
Acetone	1185
Phosphoric Acid	1

**Engineering Controls:** Ensure sufficient ventilation to maintain concentration below exposure standard. Only use in a well ventilated area or preferably apply the product in a spray paint booth with an adequate exhaust system. Keep containers sealed when not in use. Earth any mixing vessels when using this product.

**Personal Protection:** Skin contact should be avoided by wearing impervious work clothing, boots and Neoprene or PVC gloves. Eyes should be protected by chemical goggles or safety glasses fitted with side shields (Refer to AS/NZS 1337). If an inhalation risk exists, an organic vapour respirator or a self-contained breathing apparatus, with a full face and operated in the positive pressure mode, should be used. Ensure cartridges are correct for the potential air contamination (Refer to AS/NZS 1715 and 1716).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear thin liquid.
Odour:	Slight acidic odour.
pH:	1.5
Vapour Pressure:	Not applicable
Vapour Density:	Not Applicable
Boiling Point Range:	95°C
Melting Point:	Not Applicable
Solubility In Water:	100%
Specific Gravity:	0.95 – 1.05
Flammability Limits:	Not Applicable
Flash Point:	Not Applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Conditions to Avoid:** Avoid all ignition sources. Incompatible materials.

**Incompatible Materials:** Liberates explosive hydrogen gas when reacting with chlorides and metals. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols, glycols, azo-compounds, carbamates, esters, caustics, phenols, cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, organic peroxides. Phosphoric acid forms flammable gases with sulphides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulphides, fluorides, organic peroxides and halogenated organics. Mixtures with nitromethane are explosive.

**Hazardous Decomposition Products:** Not prone to combustion. However, Phosphorus Oxides may form when heated to decomposition. Also if involved in a fire, toxic materials such as carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapour, traces of hydrogen cyanide, hydrogen chloride gas, hydrogen fluoride gas and various chlorine and fluorine compounds and hydrocarbons may form.

**Hazardous Reactions:** See Incompatible Materials.

## 11. TOXICOLOGICAL INFORMATION

There is no data available on this product itself. The following information (where available) relates to the individual ingredients of the product.

### Acute Toxicity – Oral:

Ingredient	Value (LD50)	Species	GHS Category
Phosphoric Acid	1530 mg/kg	Rat	4
Acetone	3000 mg/kg	Mouse	5

**Health Effects:** Harmful if swallowed.

**Acute:** Can result in headaches, nausea, vomiting and diarrhoea.

**Chronic:** May cause irritation to the mucous membranes of the digestive system. May result in damage to the liver and kidney, blood disorders and may affect the central nervous system.

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### Acute Toxicity – Dermal:

Ingredient	Value (LD50)	Species	GHS Category
Phosphoric Acid	2740 mg/kg	Rabbit	5

**Health Effects:** May be harmful in contact with skin.

**Acute:** Causes severe skin burns and eye damage.

**Chronic:** May cause dermatitis and eczema.

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### Acute Toxicity – Inhalation:

Ingredient	Value (LC50)	Species	GHS Category
Not Available			

**Health Effects:**

**Acute:**

**Chronic:**

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### Skin Corrosion/Irritation:

	GHS Category
Phosphoric Acid	1B
Acetone	3

**Health Effects:** Causes severe skin burns and eye damage.

**Acute:** Causes severe skin burns and eye damage.

**Chronic:** May cause dermatitis and eczema.

**Eye Damage/Irritation:**

Phosphoric Acid  
Acetone

**GHS Category**

1  
2A

**Health Effects:** Causes serious eye damage.

**Acute:** Causes redness, tearing or blurred vision.

**Chronic:** Will cause discomfort and may cause redness, itching or blurred vision.

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**Respiratory or Skin Sensitation:**

Not Available

**GHS Category**

**Health Effects:**

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**Germ Cell Mutagenicity:**

Not Available

**GHS Category**

**Health Effects:**

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**Carcinogenicity:**

Not Available

**GHS Category**

**Health Effects:**

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**Toxic To Reproduction:**

Not Available

**GHS Category**

**Health Effects:**

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**Specific Target Organ Toxicity (Single Exposure):**

Acetone

**GHS Category**

3

**Health Effects:** May cause drowsiness or dizziness. May cause respiratory irritation.

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**Specific Target Organ Toxicity (Repeated Exposure):**

Not Available

**GHS Category**

**Health Effects:**

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**Aspiration Hazard**

Not Available

**GHS Category**

**Health Effects:**



## 12. ECOLOGICAL INFORMATION

**Environmental Precautions:** Avoid release to the environment, the product should not be allowed to enter drains, water courses or the soil.

There is no data available on this product itself. The following information (where available) relates to the individual ingredients of the product.

### Hazardous To The Aquatic Environment – Acute Hazard:

Ingredient	Value (LC50)	Species	GHS Category
Not Available			

**Effects:**

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### Hazardous To The Aquatic Environment – Long Term Hazard:

Ingredient	Value (LC50)	Species	GHS Category
Phosphoric Acid	Not Available		4

**Effects:** May cause long lasting harmful effects to aquatic life.

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### Exotoxic To Terrestrial Vertebrates:

Ingredient	Value (LD50)	Species	NZ Category
Phosphoric Acid	1530 mg/kg	Rat	4

**Effects:** Harmful to terrestrial vertebrates.

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**Persistence and Degradability:** No information available.

**Bioaccumulative Potential:** No information available.

**Mobility in Soil:** No information available.

### 13. DISPOSAL CONSIDERATIONS

Contact the relevant waste management authority. Normally suitable for incineration by an approved agent.

### 14. TRANSPORT INFORMATION

**ADG (Land):**

Shipping Name: PAINT RELATED MATERIAL  
UN Number: 3066  
Hazard Class: 8  
Subsidiary Risk:  
Packaging Group III  
Hazchem 3[X]

**NZS 5433:**

Shipping Name: PAINT RELATED MATERIAL  
UN Number: 3066  
Hazard Class: 8  
Subsidiary Risk:  
Packaging Group III  
Hazchem 3[X]

**IMGD (Sea):**

Shipping Name: PAINT RELATED MATERIAL  
UN Number: 3066  
Hazard Class: 8  
Subsidiary Risk:  
Packaging Group III  
Group:  
Marine Pollutant: No  
EmS: F-E,S-E

**ICAO/IATA (Air):**

Shipping Name: PAINT RELATED MATERIAL  
UN Number: 3066  
Hazard Class: 8  
Subsidiary Risk: Not Applicable  
Packaging Group III

### 15. REGULATORY INFORMATION

Poisons Schedule: Schedule 5  
HSNO Group Standard: HSR002658 - Surface Coatings and Colourants  
(Corrosive)

### 16. OTHER INFORMATION

Date of Issue: 04/07/13  
Replaces Issue Dated: 01/02/10

The above information has been presented in good faith and is accurate to the best of our knowledge, at the time of preparation. All of the information supplied herein is related only to the health and safety issues of the product. Users should assume all responsibility for its use, as the conditions under which this product is used are beyond our control. For technical information on the use of this product users should consult the appropriate Technical Data Sheet.

**END OF SDS**