

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** FERROBRITE LA090

**Synonyms:** Phosphoric acid Solution

**Use:** Converts rust prior to painting

**Supplier:** Advance Chemicals

**ABN:** 61 005 625 025

**Street Address:** 4 – 8 Malton Court, Altona, 3018

**Telephone Number:** (03) 9398 4444

**Facsimile:** (03) 9398 5278

**Emergency Telephone:** Ted Powell (03) 9398 4444 (Business Hours)  
0425 800 022 (After Hours)

## 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3<sup>rd</sup> Revised Edition.

**Hazard Classification:** HAZARDOUS SUBSTANCE, NON DANGEROUS GOODS.

**Classification of the substance or mixture:**

Skin Corrosion – category 1B

**SIGNAL WORD:** DANGER



**Hazard Statement(s):**

H314 – Causes severe skin burns and eye damage.

**Precautionary Statement(s):**

**Prevention:**

P102 Keep out of reach of children.

P103 Read label before use.

P104 Read Safety Data Sheet before use.

P260 – Do not breathe mist/vapour/spray

P264 – Wash hands thoroughly after handling

P280 - Wear protective gloves/eye protection/ face protection.

**Response:**

P301 + P3330 +P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P363 – Wash contaminated clothing before re-use  
 P321 – Specific treatment (see First Aid Measures on Safety Data Sheet)  
 P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P310 – Immediately call a POISON CENTRE (131126) or doctor/physician if you feel unwell  
 P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage:**

P405 – Store in a well-ventilated place. Keep cool.

**Disposal:**

P501: Dispose of contents/container in accordance with local waste management authority.

**Poisons Schedule (Australia): 5**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	Risk phrases
Phosphoric Acid	7664-38-2	30% - 60%	<b>H314</b>
Wetting agents	-	Less than 10%	
Zinc phosphate	7779-90-0	Less than 10%	
Rust Inhibitor	-	Less than 10%	
Water	7732-18-5	➤ 60%	

### 4. FIRST AID MEASURES

**Inhalation:** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If victim has stopped breathing begin artificial respiration, or if heart has stopped, cardiopulmonary resuscitation. SEEK MEDICAL ATTENTION.

**Skin Contact:** Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. SEEK MEDICAL ATTENTION.

**Eye Contact:** If contact with eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse into the non-affected eye. SEEK IMMEDIATE MEDICAL ATTENTION.

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**Ingestion:** Immediately wash out mouth with water and then give plenty of water to drink. SEEK IMMEDIATE MEDICAL ATTENTION.

**Notes to Doctor:** Treat symptomatically as for strong acids.

## 5. FIRE FIGHTING MEASURES

**Specific Hazards:** Non flammable or combustible

**Firefighting advice:** Wear self-contained breathing apparatus (S.C.B.A) and full protective clothing to minimise skin exposure.

**Suitable Fire Extinguishing Media:** Water fog, foam or dry chemical powder.

**Hazchem Code:** None assigned

**Flammability:** Non flammable. Contact with strong alkalis may generate heat.

## 6. ACCIDENTAL RELEASE MEASURES

Clear area of all unprotected personnel. Contain- prevent contamination of drains and waterways. Use absorbent soil, sand, sawdust, inert material, or vermiculite. Collect and seal in properly labelled drums for disposal. Neutralise remaining product with lime or soda ash, adjusting pH to 6 – 10. Flush to sewer as a greatly diluted solution. Wear full protective clothing. Self contained breathing apparatus may be needed for prolonged periods of exposure.

## 7. HANDLING AND STORAGE

**Handling advice:** Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet.

**Storage advice:** Store in a cool place and out of direct sunlight. Store in a well ventilated area. Store away from oxidising agents. Store away from foodstuffs. Keep containers securely sealed and protected against physical damage. Care must be taken especially where the material may be stored or used in glass vessels.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Occupational Exposure Limits:**

Substance	TWA (ppm)	TWA (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
Phosphoric acid	-	1	-	3

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TWA – Time Weighted Average      STEL – Short Term Exposure Limit

**Engineering Controls:** Maintain concentration below recommended exposure limit. Local exhaust ventilation usually required. Keep containers in a well ventilated area.

**Personal Protection Equipment:** Wear appropriate respirator where ventilation is inadequate and vapour or mist is generated. The use of faceshield, chemical goggles or safety glasses with side shield protection is recommended. The use of gloves is recommended and where possible contamination of clothes will occur as plastic splash apron, sleeves, overalls and rubber boots is strongly recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Pale brown liquid

**Boiling Point:** > 100°C

**Melting Point:** < 0°C

**Flash Point:** Not applicable

**Vapour Pressure:** 17 mm Hg @ 20°C

**Vapour Density (Air = 1):** 0.6

**Flammability Limits:** Not applicable

**Specific Gravity:** 1.2

**pH (1% dispersion):** 1.6

**Solubility in water:** Soluble in all proportions

**Corrosiveness:** Corrosive to human tissue and most metals.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

**Acute Health Effects:**

**Ingested:** Corrosive. Will cause severe irritation and chemical burns to the mouth, oesophagus and stomach.

**Eye:** Corrosive to eyes. Contamination of eyes can result in permanent injury.

**Skin:** Contact with skin will result in severe irritation.

**Inhaled:** High concentrations of vapours will cause irritation. The vapour is an irritant to the mucous membranes and respiratory tract. Exposure to high concentrations of vapour or to acid as a mist may lead to lung damage including pulmonary oedema and emphysema.

**Chronic:** Prolonged contact with dilute solutions may cause skin irritation. Gloves must be used at all times. Chronic exposure may result in dental discolouration and erosion and ulceration of the nose and mouth. Use only in well ventilated areas.



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### 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

### 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all federal, E.P.A, state and local regulations. Assure conformity with all applicable regulations.

### 14. TRANSPORT INFORMATION

**UN Number:** Not applicable

**Proper Shipping Name:** FERROBRITE LA090

**Dangerous Goods Class:** N/A

**Subsidiary risk:** N/A

**Packing Group:** III

**Hazchem Code:** N/A

**Road and Rail Transport:** Not Classified as a Dangerous Goods by criteria of the Australian Code for the transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

**Hazard Classification:** HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

**Classification of the substance or mixture:**

Skin Corrosion – category 1B

**SIGNAL WORD:** DANGER



**Hazard Statement(s):**

Product name: FERROBRITE LA090

Issue date: September, 2019

Version: 5

H314 – Causes severe skin burns and eye damage.

Poisons Schedule: 5



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## 16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS cannot anticipate or control the conditions under which this information can be used, each user must review this information in the specific context of the intended application.

ADVANCE CHEMICALS will not be responsible for any damage or loss of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those mandated by Commonwealth, State or Territory legislation.

Issue Date: September, 2019