

**Section 1. Identification.**


Product identifier	Feronite Rust Converter
Recommended use and restrictions on use.	Feronite Rust Converter is used to stop rust increasing or spreading in high temperature situations where elaborate substrate preparation is impractical. It converts the surface rust to a passive tannate form.
Details of manufacturer	<b>Boatcraft Pacific Pty. Ltd.</b> 46 Chetwynd St., Loganholme Qld 4129. Australia +61 7 3806 1944 www.boatcraft.com.au
Emergency Phone Number	Poisons Information Line 13 11 26 Boatcraft Pacific Pty. Ltd. 07 3806 1944

**Section 2. Hazard(s) Identification.**

Irritant - Category 2

Eye Irritant - Category 2

## Label Elements

	Signal Word	Hazard Statements	Precautionary Statements
	Warning	Causes skin irritation.	Wear protective gloves IF ON SKIN - Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
	Warning	Causes eye irritation.	Wear eye protection. IF IN EYES – Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
	Warning	May cause respiratory irritation.	Avoid breathing mist or spray. IF INHALED - Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

**Section 3. Composition and Information on Ingredients.**

Ingredients	Cas No.	Proportion
Isopropyl Alcohol	67-63-0	<10%
Phosphoric Acid	7664-38-2	<10%

There are no other ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, or have been assigned a workplace exposure limit and hence require reporting in this section.

**Section 4. First Aid Measures.**

Ingestion	If swallowed, rinse mouth with water (only if person is conscious). Give plenty of water to drink. Seek medical attention if symptoms occur.
Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eye lids open. Seek medical attention.
Skin Contact	Take off contaminated clothing. Wash with soap and water. Seek medical attention if symptoms occur.
Inhalation	If inhaled, remove to fresh air. Seek medical attention if symptoms occur.
Note to Physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Likely Symptoms	
Ingestion	Irritating to mouth, throat and stomach.
Eye	Redness and pain
Skin	Irritating. Repeated or prolonged contact may cause redness, blistering and dermatitis.
Inhalation	No known acute effect after over-exposure to this product.

**Section 5. Fire Fighting Measures.**

Extinguishing Media	Small Fire – Use dry chemical or CO2 Large Fire – Use water, foam or dry chemical powder.
Specific Hazards	The product will not support combustion. No specific hazards.
Fire Fighters	Contaminated water should be prevented from entering waterways, drains or sewers.
Hazchem Code	2ZE

**Section 6. Accidental Release Measures.**

Small Spills	Absorb spillage with sand, earth, or any suitable absorbent material.
Large Spills	Prevent material from entering waterways, drains or sewers. Consider bunding. Use sand or earth to absorb the material. Allow water content to evaporate and dispose of residual solid material as solid waste.

**Section 7. Handling, Storage and Safe Use.**

Handling	Use with adequate ventilation. Vapour is heavier than air. Use suitable protective equipment. Avoid contact with eyes, skin and clothing. Eating, drinking and smoking in work areas is prohibited.
Storage	Keep away from incompatibles such as bases. Sensitive to frost. High temperatures can reduce shelf life. Has a nominal shelf life of 1 year.
Suitable Packaging Materials	High Density Polyethylene

**Section 8. Exposure Controls.**

Exposure Limits	TWA STEL				
	Material	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
	IPA	400	983	500	1230
Phosphoric Acid		1		3	
Engineering Controls	Use only with adequate ventilation.				
Personal Protection	Safety glasses with side shields Nitrile Rubber Gloves Clothing which covers arms, legs and torso. In case of inadequate ventilation, wear suitable respiratory equipment <b>Advice on personal protection equipment is applicable for high exposure levels.</b> <b>Select proper personal protection based on a risk assessment of the actual exposure situation.</b>				

**Section 9. Physical and Chemical properties.**

Appearance	Brown aqueous ;iquid
Odour	Strong smell
pH	1.6-2.0
Melting Point/Freezing Point (°C)	-3°C
Boiling Point and boiling range (°C)	100°C
Flash Point (°C)	Not applicable
Flammability	The product will not support combustion unless the water has evaporated.
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure (20°C)	4.4kPa @ 20°C
Rel. Vapour Density (air=1)	2.07 @ 20°C
Relative Density	1.06 – 1.09
Solubility	100% in water
Viscosity	50 cP

**Section 10. Stability and Reactivity.**

Chemical Stability	Stable under recommended storage and handling conditions. Reactive material.
Incompatible Materials	Reactive with metals and bases, strong oxidising materials.
Hazardous Decomposition Products	Combustion products include CO, CO <sub>2</sub> , NO <sub>x</sub> , Ammonia, HCl, Cl <sub>2</sub>

**Section 11. Toxicological Information.**

Acute Effects	Ingestion	Irritating to mouth, throat and stomach LD50 rat (oral) > 5,000mg/kg
	Eye	Irritating, watering, redness
	Skin	Irritating, redness
	Inhalation	No known specific effects or critical hazards

**Section 12. Ecological Information.**

Ecotoxicity	There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous the environment.
-------------	---

**Section 13. Disposal Considerations.**

	Waste must be disposed of in accordance with national and local environmental regulations. Dispose of all empty containers as per State and Council Regulations. Do not burn empty containers or product. Do not dispose of near waterways, vegetation and tree roots.
--	---

**Section 14. Transport Information.**

Not classified as hazardous or dangerous for transport.  
Hazchem Code 2ZE

**Section 15. Regulatory Information.**

No information

**Section 16. Other.**

	Date of Preparation.	5 May 2014
	Date of Revision.	
	Reason for Issue	New Issue
Preparation of Safety Data Sheets for Hazardous Chemicals. Code of Practice 2011 Workplace Health and Safety Queensland Queensland Work Health and Safety Regulation 2011 Workplace Exposure Standards 2011, Safework Australia ADG7 October 2011 Section 2.9.3.3 GHS 2013 5 <sup>th</sup> Edition Health effects 03e_part3 GHS 2013 5 <sup>th</sup> Edition Environmental Hazards 04e_part4		

**Abbreviations**

ADG7	Australian Code for the Transport of Dangerous goods by Road & Rail, 7 <sup>th</sup> Edition	mg	milligram
C.A.S.	Chemical Abstracts Service Number	Mg/m3	Milligram per cubic metre
EC50	Half Maximal Effective Concentration	No mort	No mortality.
EPG	Emergency procedure guide	N.O.S.	Not Otherwise Specified
ErC50	Means EC50 in terms of reduction of growth rate	NOEC	No observable effect concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals	ppm	Parts per million
kg	Kilogram	PVC	Polyvinyl Chloride
L	Litre	Sen	Sensitizer
LC50	Lethal concentration for 50% of the test population	Sk	Sk absorption is significant.
LD50	Lethal dose for 50% of the test population	STEL	Short Term Exposure Limit
LDLo	Least Lethal Dose Observed	TWA	Time Weighted Average
LOEC	Lowest Observable Effective Concentration		