



Material Safety Data Sheet

SECTION 1. PRODUCT IDENTIFICATION

Product name: *Feronite Rusty Metal Primer*
Synonym: *Tannic acid/vinyl acrylic resin emulsion*
Product Codes: **411, 412, 413**

Uses(s): Feronite Rusty metal Primer is used to stop rust increasing or spreading in situations where elaborate substrate preparation is impractical. It incorporates a rust inhibitor and also a very low permeability polymer membrane to restrict further air or moisture access to the ferrous metal.

Manufacturer: UNI-PRO PAINTING EQUIPMENT
Supplier Address: Units 9-12, 144-150 Canterbury Road, Kilsyth VIC 3137
Supplier Contact: Customer Service
Telephone: 03 9761 7900
Fax: 03 9761 6522

SECTION 2. HAZARD(S) IDENTIFICATION

Irritant - Category 2
Eye Irritant - Category 2
Poison Schedule - S5 Caution

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.

DG Class	9 Exempt from DG Code requirements for Road and Rail transport in Australia.
Subsidiary Risk	None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Isopropyl Alcohol	67-63-0	< 10%
Phosphoric Acid	7664-38-2	< 1%

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.

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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. Get 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 unless the water has evaporated. No specific hazards.
Fire Fighters:	Contaminated water should be prevented from entering waterways, drains or sewers.
Hazchem Code:	ZZE

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

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SECTION 8. EXPOSURE CONTROLS

Exposure Limits	Material	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
	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 Advice on personal protection equipment is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure situation.				

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Cream liquid
Odour	Practically odourless, slight sweet smell
pH	2.0-2.4
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	1.24 – 1.28
Solubility	100% in water
Viscosity	50 cP

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions. Reactive material.
Conditions to Avoid	High temperature storage will reduce shelf life. Below zero temperatures may damage product.
Incompatible Materials	Reactive with metals and bases, strong oxidising materials.
Hazardous Decomposition Products	Combustion products include CO, CO ₂ , NO _x , Ammonia, HCl, Cl ₂

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute Effects	Ingestion	Irritating to mouth, throat and stomach
	Eye	Irritating, watering, redness
	Skin	Irritating, redness
	Inhalation	No known specific effects or critical hazards

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	Daphnia magna LC50 10mg/L, Algae EC50 0.3mg/L
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available

SECTION 13. DISPOSALS 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.

Do not dispose of near waterways, vegetation and tree roots.

SECTION 14. TRANSPORT INFORMATION

Road and Rail

Australian Special Provisions (SP AU01) – ADG Code 7th Edition Applies

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the ADG Code when transported by road or rail in; (a) packaging that does not incorporate a receptacle exceeding 500 kg(L); or (b) IBCs.

Other Transport

	UN. No.	3082
	Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (contains Zinc Phosphate)
	Class	9
	Subsidiary Risk	None
	Packaging Group	III
	Hazchem Code	2ZE
	EPG	None

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SECTION 15. REGULATORY INFORMATION

No information.

SECTION 16. AUTHORISATION

Date of last issue: 10th August 2023

Reason for Issue: Revision

Preparation of Safety Data Sheets for Hazardous Chemicals. Code of Practice 2011 Workplace Health and Safety Queensland
Queensland Work Health and Safety Regulation 2011
Australian Code for the Transport of Dangerous Goods by Road & Rail, 7th Edition
Transport Operations – Road Use Act 1995 – Queensland
Transport Operations – Road Use Management – Dangerous Goods) Regulation 2008 - Queensland
GHS 2013 5th Edition

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Abbreviations

ADG7	Australian Code for the Transport of Dangerous goods by Road & Rail, 7th Edition
LD50	Lethal dose for 50% of the test population
C.A.S.	Chemical Abstracts Service Number
LOEC	Lowest Observable Effective Concentration
EC50	Half Maximal Effective Concentration mg milligram
EPG	Emergency procedure guide
Mg/m ³	Milligram per cubic metre
ErC50	Means EC50 in terms of reduction of growth rate
N.O.S.	Not Otherwise Specified
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
ppm	Parts per million
kg	Kilogram
PVC	Polyvinyl Chloride
L	Litre
STEL	Short Term Exposure Limit
LC50	Lethal concentration for 50% of the test population TWA Time Weighted Average