

# Material Safety Data Sheet

## SECTION 1. PRODUCT IDENTIFICATION

**Product name:** *Feronite Rust Converter*  
**Synonym:** Tannic Acid Solution  
**Product Codes:** **422, 421, 420**

**Uses(s):** 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.

**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. HAZARDS IDENTIFICATION

**Irritant - Category 2**  
**Eye Irritant - Category 2**

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/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	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.

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## SECTION 4. FIRST AID MEASURES

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

## SECTION 5. FIRE FIGHTING MEASURES

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

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Small Spills:</b>	Absorb spillage with sand, earth, or any suitable absorbent material.
<b>Large Spills:</b>	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

<b>Handling:</b>	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.
<b>Storage:</b>	Keep away from incompatibles such as bases. Sensitive to frost. High temperatures can reduce shelf life. Has a nominal shelf life of 1 year.
<b>Suitable Packaging Materials:</b>	High Density Polyethylene

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## SECTION 8. EXPOSURE CONTROLS

Exposure Limits	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 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

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

## SECTION 10. STABILITY AND REACTIVITY

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

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## 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. 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

Not classified as hazardous or dangerous for transport.

Hazchem Code 2ZE

## SECTION 15. REGULATORY INFORMATION

No information.

## SECTION 16. AUTHORISATION

**Date of last review:** 8th December 2018

**DISCLAIMER:** WE BELIEVE THAT THE INFORMATION GIVEN HEREIN IS ACCURATE AND IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE. WHERE THE INFORMATION PROVIDED HEREIN DISCLOSES POTENTIAL HAZARDOUS INGREDIENTS, ADEQUATE WARNING SHOULD BE PROVIDED TO EMPLOYEES AND USERS AND APPROPRIATE PRECAUTIONS TAKEN.

### Abbreviations

ADG7	Australian Code for the Transport of Dangerous goods by Road & Rail, 7th Edition	ppm	Parts per million
mg	milligram	kg	Kilogram
C.A.S.	Chemical Abstracts Service Number	PVC	Polyvinyl Chloride
Mg/m <sup>3</sup>	Milligram per cubic metre	L	Litre
EC50	Half Maximal Effective Concentration No mort No mortality.	Sen	Sensitizer
EPG	Emergency procedure guide	LC50	Lethal concentration for 50% of the test population
N.O.S.	Not Otherwise Specified	Sk	Sk absorption is significant.
ErC50	Means EC50 in terms of reduction of growth rate	LD50	Lethal dose for 50% of the test population
NOEC	No observable effect concentration	STEL	Short Term Exposure Limit
GHS	Globally Harmonized System of Classification and Labelling of Chemicals	LDLo	Least Lethal Dose Observed TWA Time Weighted Average
		LOEC	Lowest Observable Effective Concentration
		TWA	Time Weighted Average