



# 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<br>IF ON SKIN - Wash with plenty of soap and water.<br>Take off contaminated clothing and wash before reuse.  |
| Warning     | Causes eye irritation.            | Wear eye protection.<br>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.<br>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>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.



# Material Safety Data Sheet

## 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<br>Large Fire – Use water, foam or dry chemical powder.     |
| <b>Specific Hazards:</b>    | The product will not support combustion unless the water has evaporated.<br>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.<br>Vapour is heavier than air.<br>Use suitable protective equipment.<br>Avoid contact with eyes, skin and clothing.<br>Eating, drinking and smoking in work areas is prohibited. |
| <b>Storage:</b>                      | Keep away from incompatibles such as bases.<br>Sensitive to frost.<br>High temperatures can reduce shelf life.<br>Has a nominal shelf life of 1 year.   |
| <b>Suitable Packaging Materials:</b> | High Density Polyethylene   |

# Material Safety Data Sheet

## 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<br>Nitrile Rubber Gloves<br>Clothing which covers arms, legs and torso.<br>In case of inadequate ventilation, wear suitable respiratory equipment<br>Advice on personal protection equipment is applicable for high exposure levels.<br>Select proper personal protection based on a risk assessment of the actual exposure situation. |     |                   |      |                   |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| Appearance                                   | Brown aqueous liquid   |
| 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> |

# Material Safety Data Sheet

## SECTION 11. TOXICOLOGICAL INFORMATION

|               |            |   |
|---------------|------------|---|
| Acute Effects | Ingestion  | Irritating to mouth, throat and stomach<br>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:** 21 AUG 2020

**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                                |