



Material Safety Data Sheet

SECTION 1. PRODUCT IDENTIFICATION

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

Uses(s): Rust treatment prior to painting.

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. CODE

Classified as hazardous according to the criteria of WorkSafe Australia.

UN No. None allocated
Packing Group: None allocated

DG Class: None allocated
Hazchem Code: None allocated

Poisons Schedule: None allocated
CAS No: Mixture

SECTION 3. INGREDIENTS

	CAS Number	Content
Vinyl/acrylic latex	None	35 – 45 %
Tannic Acid	1401-55-4	5 – 10 %
Isopropanol	67-63-0	3 – 10 %
Ethylene Glycol	107-21-1	3 – 10 %
Phosphoric Acid	7664-38-2	< 5 %
Water	7732-18-5	rem

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SECTION 4. PHYSICAL & EXPOSURE DATA

Physical data

Appearance / odour:	Cream liquid, sweet smell
Boiling range:	95 - 100 deg C
Flash Point:	> 120 deg C
Specific gravity:	1.24 – 1.28
Vapour pressure:	4.4 kPa at 20 deg C
Vapour density (air = 1):	2.07 at 20 deg C
Volatile component (% vol):	55 - 65 %
pH:	2.0 – 2.4
Solubility with water:	100 % soluble
Explosive limits:	N/A

Product Exposure Limits

TLV TWA vinyl/acrylic latex	No value assigned by NHMRC
TLV TWA phosphoric acid	1 mg/cu m; STEL 3 mg/cu m
TLV TWA ethylene glycol (vapour)	50 ppm, 125/cu m
TLV TWA isopropanol	400 ppm, 980 mg/cu m; STEL 500 ppm, 1225 mg/cu m [ACGIH 1988]
TLV TWA tannic acid	500 ppm

Toxicity and Irritation Data

LD(50) for skin contact	65 mg/kg
LD(50) for ingestion (rat)	23 mg/kg

CAUTION: Tannic acid and isopropanol have been classified by IARC as Group 3 – not classifiable as to their carcinogenicity to humans. Use good occupational health practice [RTECS 1989].

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SECTION 5. HEALTH HAZARD

Symptoms of Exposure: Acute and Chronic Effects:

Ingestion:	Strong burning sensation, possible vomiting. The liquid can result in irritation of the gastrointestinal tract. Considered as an unlikely route of entry in commercial/industrial environments.
Eye contact:	The liquid is severely irritating to the eyes, and may burn eye tissue.
Skin contact:	Liquid may be irritating to the skin and may be capable of causing allergic skin reactions. Temporary black staining of the skin can occur following contact, and takes 3 - 4 days before skin returns to normal colour.
Inhalation:	The vapour is mildly irritating to the upper respiratory tract, and can cause dizziness, mild irritation, and anaesthesia.
Systemic and other effects:	Not classified.

Emergency & First Aid Procedures:

Ingestion:	DO NOT INDUCE VOMITING. If conscious give water or milk to rinse out mouth and drink. Provide liquid slowly but as much as casualty will drink. Transport to hospital or doctor without delay. Activated charcoal may be helpful.
Eye contact:	Immediately hold the eyes open and irrigate eyes with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to doctor or hospital without delay. Removal of contact lenses after eye injury should only be undertaken by skilled personnel.
Skin contact:	Immediately remove all contaminated clothing including footwear (after rinsing with water). Wash affected areas thoroughly with water and soap (to neutralize acidity of the product). Seek medical attention in event of irritation.
Inhalation:	Remove to fresh air, lie patient down, keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Administer oxygen. Transport to hospital or doctor.
Notes to physician:	Treat symptomatically.

SECTION 6. PERSONAL PROTECTION & HANDLING

PROTECTIVE EQUIPMENT

Eyes:	Googles or face shield.
Hands/feet:	Rubber gloves, full overalls, safety shoes.
Respiratory:	Ensure adequate ventilation. Wear organic vapour respirator or self contained breathing apparatus in enclosed areas.

Remove and wash all contaminated clothing and equipment.

Handling Procedures

Handle in well ventilated area. Always observe conditions of good industrial hygiene and safe working practice. Do not work in spray or mist. If spraying work fully covered with self contained breathing apparatus or air-fed hood conforming to State Spray Painting Regulations.

Do not store in steel containers.

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SECTION 7. FIRE & EXPLOSION

Stability:	Stable for minimum 2 years at room temperature. Excess heating over long periods will degrade ingredients.
Flammability:	Products will support combustion if heated but will not spontaneously ignite or explode.
Hazardous Decomposition Products:	On burning will emit toxic fumes of hydrochloric acid, carbon monoxide and carbon dioxide.
Hazardous Polymerisation:	Will not occur in the absence of contact with reactive elements.
Incompatibility:	Avoid contact with strong acids, alkalis, oxidising materials, or metals.
Fire Fighting:	Toxic fumes will be evolved when this material is involved in fire. Fire fighters must wear full protective clothing and self contained breathing apparatus.
Extinguishing Media:	Foam, carbon dioxide, dry chemical powder.

SECTION 8. STORAGE & TRANSPORT

DG Class:	None
Packaging Group & Label:	N/A
Suitable Containers:	Plastic, do not store in metal containers.
Storage Procedures:	Containers will develop pressure at high temperatures. Store at room temperature under cover.
Transport:	Not regulated for transport under UN and local regulations.

SECTION 9. SPILLS & DISPOSALS

Minor spill:	Absorb into waste cloth or other suitable absorbent, allow to dry and dispose. Avoid contact with skin or eyes.
Major spill:	Contain with sand or earth, absorb with suitable absorbent, dispose when fully absorbed and dry. Prevent run-off into drains or waterways. Ensure area is well ventilated.
Disposal:	Suitable for incineration by approved agent or bury in approved landfill according to local regulations. Decontaminate empty containers with water.

SECTION 10. AUTHORISATION

Date of last review:	16 MAY 2019
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