

BoatCraft Pacific

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION

Trade name	FERONITE RUSTY METAL PRIMER		
Chemical Name & Synonyms	Tannic acid/vinyl acrylic resin emulsion		
Manufacturer	Boatcraft Pacific Pty. Ltd. 22 Babbdoyle St Loganholme, Queensland 4129 Australia		
Emergency Contact Telephone	07 3806 1944, (ah) 07 3299 1468		
UN No.	None	Hazchem	None
DG Class	None	Poisons Schedule	None
CAS No.	Mixture	Pkge Grp	None
Intended usage	Primer paint for rusty steel		

Classified as hazardous according to the criteria of Worksafe Australia

SECTION 2. INGREDIENTS

	CAS No.	None	Content	
Vinyl/acrylic latex				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

SECTION 3. 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

BoatCraft Pacific

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].

SECTION 4. 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

BoatCraft Pacific

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 an 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 5. PERSONAL PROTECTION & HANDLING

Protective Equipment

Eyes:	Goggles 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.

BoatCraft Pacific

SECTION 6. 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 a fire. Fire fighters must wear full protective clothing and self contained breathing apparatus.

Extinguishing Media

Foam, carbon dioxide, dry chemical powder.

SECTION 7. 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 8. SPILLS & DISPOSAL

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 9. AUTHORISATION

Name:	B.H. McConkey
Title	Technical Director
Issue Date	September 28, 2002

BoatCraft Pacific Pty. Ltd. A.C.N. 057 731 174
22 Babbdoyle St., Loganholme, Queensland 4129
Tel (+61) 07 3806 1944 Fax (+61) 07 3209 7711
Email: info@boatcraft.com.au