

BoatCraft Pacific Pty. Ltd.

22 Babbdoyle St
Loganholme
Queensland 4129
Australia

Tel 07 3806 1944
Fax 07 3209 7711

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION

Trade name	FERONITE RUST CONVERTER		
Chemical Name & Synonyms	Tannic acid solution		
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	Rust treatment prior to painting		

Classified as hazardous according to the criteria of Worksafe Australia

SECTION 2. INGREDIENTS

Tannic acid	1401-55-4	10 - 15 %
Isopropanol	67-63-0	5 - 10 %
Ethylene glycol	107-21-1	5 - 10 %
Phosphoric acid	7664-38-2	< 5 %
Water	7732-18-5	rem

SECTION 3. PHYSICAL & EXPOSURE DATA

Physical data

Appearance / odour	Brown aqueous liquid, strong smell
Boiling range	95 - 100 deg C
Flash Point	> 120 deg C
Specific gravity	1.06 - 1.09
Vapour pressure	4.4 kPa at 20 deg C
Vapour density (air = 1)	2.07 at 20 deg C
Volatile component (% vol)	80 - 90 %
pH	1.6 - 2.0
Solubility with water	100 % soluble
Explosive limits	N/A

Product Exposure Limits

TLV TWA	200 ppm
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 skin staining 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 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.

SECTION 6. FIRE & EXPLOSION

Aqueous solution not subject to fire or explosion

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