



# MATERIAL SAFETY DATA SHEET

## TANACOAT

**HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA CRITERIA**

### COMPANY DETAILS

Company:	Koppers Arch Australia	Telephone:	+61 (7) 3888 2583
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	Kallangur QLD 4503		

### IDENTIFICATION / TRANSPORT

PRODUCT NAME.....Tanacoat  
SHIPPING NAME .....PAINT

UN No.....1263	DANGEROUS G. CLASS.....None
HAZCHEM.....n/a	SUB RISK .....None
CAS RN No(s).....None	PACKAGING GROUP .....n/a
NIOSH .....None	EPG.....3C2, *14
POISONS SCHEDULE.....Paint3 S5	LABEL .....Flammable Liquid[3]

### PHYSICAL PROPERTIES

#### USE

Clear low sheen, oil based timber finish. Apply by brush, applicator pad or spray atomisation.

#### APPEARANCE

Brownish colour, flammable liquid; does not mix with water. Low solvent smell. Does not contain lead.

Boiling Point (deg C):	145-250	Flash Point (deg C):	65° C
Melting Point (deg C):	Not available.	Lower Explosive Limit (%):	n/a
Vapour Pressure (kPa):	Not available.	Upper Explosive Limit (%):	n/a
Specific Gravity:	0.85-0.98	Solubility in Water (g/L):	Insoluble

Legend: \* Water=1, \*\* Air=1

### INGREDIENTS

NAME	CAS RN	%
Linseed oil modified alkyd vehicle		20-40
hydrocarbon solvent	not avail.	50-70





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### HEALTH HAZARD INFORMATION

#### ACUTE HEALTH EFFECTS

##### SWALLOWED

Considered an unlikely route of entry in commercial/industrial environments. The liquid is highly discomforting and may be harmful if swallowed. Ingestion may result in nausea, pain, vomiting. Vomit entering the lungs by aspiration may cause potentially lethal chemical pneumonitis.

##### EYE

The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and / or transient eye inflammation, ulceration. The vapour is mildly discomforting to the eyes. The material may produce severe irritation to the eye causing pronounced inflammation.

##### SKIN

The liquid is discomforting to the skin if exposure is prolonged and is capable of causing skin reactions that may lead to dermatitis. Open cuts, abraded or irritated skin should not be exposed to this material. The material may accentuate any pre-existing dermatitis condition. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (non-allergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to vesiculation, scaling and thickening

of the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis.

##### INHALED

The vapour/mist is discomforting to the upper respiratory tract and lungs. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high vapour concentrations may be chest and nasal irritation with coughing, sneezing, headache and even nausea. If exposure to highly concentrated solvent atmosphere is prolonged this may lead to narcosis, unconsciousness, even coma and possible death. Inhalation of vapour may aggravate a pre-existing respiratory condition such as asthma, bronchitis, and emphysema.

#### CHRONIC HEALTH EFFECTS

Principal routes of exposure are usually by inhalation of vapour and skin contact with the material. Prolonged or continuous skin contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following. Chronic solvent inhalation exposures may result in nervous system impairment and liver and blood changes.

### FIRST AID

##### SWALLOWED

If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water.

##### EYE

If this product comes in contact with the eyes: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

##### SKIN

If solids or aerosol mists are deposited upon the skin: Wash affected areas thoroughly with water and soap if available. Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. Seek medical attention in the event of irritation.

##### INHALED

If fumes or combustion products are inhaled: Remove to fresh air. Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital, or doctor.





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### ADVICE TO DOCTOR

Treat according to symptoms.

### PRECAUTIONS FOR USE

#### EXPOSURE STANDARDS

None assigned. Refer to individual constituents.

#### OIL MODIFIED ALKYD- UNREGULATED

No exposure limits set by NOHSC or ACGIH.

#### HYDROCARBON SOLVENT

ES TWA: 480 mg/m<sup>3</sup>

CELTWA: 80ppm, 480mg/m<sup>3</sup>

#### ENGINEERING CONTROLS

The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Use in a well-ventilated area. General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Spraying to be carried out in conditions conforming to local state regulations. Unprotected personnel must vacate the spraying area.

### PERSONAL PROTECTION

#### EYE

Safety glasses with side shields; or as required, Chemical goggles. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

#### HANDS/FEET

Barrier cream with polyethylene gloves or wear chemical protective gloves, eg. PVC. Wear safety footwear.

Do NOT use solvent to clean the skin. Use a skin cleansing cream.

#### OTHER

Overalls. Eyewash unit. Do NOT spray directly on humans, exposed food or food utensils.

#### RESPIRATOR

Type A Filter of sufficient capacity with pre-filter.

### HANDLING PROCEDURES

Avoid generating and breathing mist. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights, heat or ignition sources. When handling, Do NOT eat, drink or smoke. Vapour may ignite on pumping or pouring due to static electricity. Earth and secure containers when dispensing or pouring product. Use spark-free tools when handling. Avoid contact with incompatible materials. Keep containers securely sealed. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storing and handling recommendations. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions. Do NOT spray directly on humans, exposed food or food utensils.





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### SAFE HANDLING

#### SUITABLE CONTAINER

Metal can or metal drum packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.

#### STORAGE INCOMPATIBILITY

Avoid storage with oxidisers.

#### STORAGE REQUIREMENT

Store in original containers in approved flammable liquid storage area. Do NOT store in pits, depressions, basements or areas where vapours may be trapped. No smoking, naked lights, heat or ignition sources. Keep containers securely sealed. Store away from incompatible materials in a cool, dry, well-ventilated area. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations.

### FIRE FIGHTERS REPORT

#### EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide. Water spray or fog - large fires only.

#### FIRE FIGHTING

Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or watercourse. Consider evacuation. Fight fire from a safe distance, with adequate cover.

If safe, switch off electrical equipment until vapour fire hazard removed. Use water delivered as a fine spray to control the fire and cool adjacent area. Avoid spraying water onto liquid pools. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protective location. If safe to do so, remove containers from path of fire.

#### FIRE/EXPLOSION HAZARD

Liquid and vapour are highly flammable. Severe fire hazard when exposed to heat, flame and/or oxidisers. Vapour forms an explosive mixture with air. Severe explosion hazard, in the form of vapour, when exposed to flame or spark. Vapour may travel a considerable distance to source of ignition. Heating

### SPILLS and DISPOSAL

#### SPILLS

Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact by using protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material. Wipe up. Collect residues in a flammable waste container.

#### DISPOSAL

Consult manufacturer for recycling options and recycle where possible. Consult State Land Waste Management Authority for disposal. Incinerate residue at an approved site. Recycle containers where possible, or dispose of in an authorised landfill.

may cause expansion / decomposition with violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit clouds of acrid smoke.

#### FIRE INCOMPATIBILITY

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

### ENVIRONMENTAL

Overspray or drizzle of product into water will pose minimal risk to environment. Product will disperse and breakdown quickly. Do not discharge large quantities product to watercourses. Clean up spills and dispose according to local regulations.

### CONTACT POINT

#### CONTACT

AUSTRALIAN POISONS INFORMATION CENTRE  
24 HOUR SERVICE: 13 11 26  
POLICE OR FIRE BRIGADE: 000

End of Report

