



## INTRODUCTION

Wattyl's Tank Lining Resistance Guide provides a list of chemicals and their suitability in contact with Epinamel TL710.

## GUIDE TO DATA

<b>R</b>	Recommended cargo
<b>R, note</b>	Recommended, but refer to specific note (below)
<b>NR</b>	Not recommended
<b>Maximum Temperature</b>	Recommendations are based on a maximum storage temperature of 35°C unless otherwise listed.

## NOTES

- 1 Product may cause discolouration of the coating. This will not detract from the performance of the coating.
- 2 Suitable for storage providing pH is between 4 - 11. After tank cleaning diluted solutions of molasses should be removed within 24 hours or neutralised by an alkaline tank cleaning product to a pH between 5 - 9.
- 3 Suitable for storage providing pH is between 5.5 - 9.
- 4 Animal or vegetable oils contain varying amounts of free fatty acids depending on origin and age. Contact with water at elevated temperature will result in hydrolysis and increased levels of fatty acids. The acid value determined in accordance with ASTM D-1980 should not exceed 20. In addition the allowable water content is 1% maximum. No free mineral acid content is permitted.
- 5 This is a generic name. Most of these products can be stored however it should be established that no notes are included under the specific chemical name elsewhere in the list.
- 6 Esters can hydrolyse in the presence of moisture to form acidic compounds that may attack the coating. Such products must therefore be free from moisture and stored in completely dry tanks. Water content should not exceed 0.02%.
- 7 Approved to AS/NSZ4020:2005, minimum tank size shall be 180 litres. Fully cured coating shall be cleaned before putting into service. Clean tank by either high pressure water washing with potable water or fill tank with potable water, allow to stand for 24 hours and drain.
- 8 Unleaded petrol may contain considerable amounts of oxygenated solvents or additives. The coating system is only suitable for contact with grades of ULP and PULP not containing ethanol and complying with the Australian Fuel Standard (Petrol) Determination 2001. When blending fuels the additives must be added to the petrol with thorough mixing to avoid high localised concentrations that could be detrimental to the coating system.

For information on chemicals not listed, please contact Wattyl Technical Service for advice on 132 101 (Australia), 0800 735 551 (New Zealand).



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Chemical	EpinameL TL710	Max Temp °C
Acetone	NR	
Alcohol, dehydrated	NR	
Alcohol, industrial	NR	
Alcohols, (C4 - C16)	R	
Ammonia Gas	NR	
Ammonia Aqueous (0 - 28%)	NR	
Ammonium Hydroxide (0 - 28%)	NR	
Ammonium Nitrate Solution (0 - 95%)	R	
Anti-freeze (Glycol based)	R, note 5	
Aviation Fuel	NR	
Aviation Kerosene	NR	
Benzene	NR	
Black Oils	R, note 1	60
Brine	R	
Butanol	R	
Butanol Normal	R	
Butanol, 1	R	
Butanol, 2	R	
Butyl Acetate, normal	NR	
Butyl Acetate, sec	NR	
Butyl Acrylate	NR	
Butyl Alcohol	R	
Butyl Alcohol; iso, normal, sec.	R	
Butyl Glycol Acetate	NR	
Brake Fluid (Glycol Based)	R	
Calcium Chloride (Saturated)	R	
Calcium Hydroxide (0 - 50%)	R	
Carbon Dioxide Gas (Dry)	R	
Carbon Tetrachloride	NR	
Carbonic Acid 10%	R	
Caustic Potash (0 - 29%)	NR	
Caustic Potash (50%)	R	60
Caustic Soda (0 - 29%)	NR	
Caustic Soda (30 - 49%)	R	40
Caustic Soda (50 - 75%)	R	60
Citric Acid 10%	R	
Citric Acid 25%	R	
Citric Acid 5%	R	
Coal Tar	R, note 1, 3	
Coal Tar Oil	NR	
Coconut Oil Fatty Acid	NR	
Cresol	NR	
Cresosote (Coal Tar)	NR	

Chemical	EpinameL TL710	Max Temp °C
Crude Naptha	R, note 1	70
Crude Naptha Petroleum	R	
Crude Oil	R, note 1	70
Crude Oil (High and Low Sulphur)	R, note 1	70
Crude Oil High Sulphur	R, note 1	70
Crude Petroleum	R, note 1	70
Caustic Potash (30 - 49%)	R	40
Cyclohexane	R	
Cyclohexanol	R	
Demineralised Water	R	
Denatured Alcohol	NR	
Dialkyl (C7-C13) Phthalates	R, note 5, 6	
Dibutyl Ether	NR	
Diesel Fuel	R	
Diesel Oil	R	
Diethyl Ether	NR	
Diethylene Glycol	R	
Diethylene Glycol Ethers	NR	
Diglycol	R	
Dimethyl Ketone	NR	
Dipropylene Glycol Ether	NR	
Dipropylene Glycol Methyl Ether	NR	
Distilled Water	R	
Drilling Oil	R	
Engine Oil (Motor Oil)	R	60
Ethanol	NR	
Ether	NR	
Ethyl Acetate	NR	
Ethyl Acrylate	NR	
Ethyl Alcohol	NR	
Ethyl Diglycol Acetate	NR	
Fatty Acids (C10-C20)	NR	
Fatty Acids, Refined (Animal/Vegetable)	NR	
Fatty Alcohols	R, note 5	
Fertilizers	R, note 5	
Fuel Oil	R	60
Hexanol	R	
Hydrochloric Acid & Solutions	NR	
Hydrogen Sulphide (Solutions)	R	
Isobutanol	R	
Isobutyl Alcohol	R	
Isopropyl Acetate	NR	



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Chemical	EpinameL TL710	Max Temp °C
Isopropyl Glycol Acetate	NR	
Jet Fuel	NR	
Jet Fuel Additives	NR	
Kerosene	R	
Lactic Acid 5%	R	
Lime	R	
Lime Slaked	R	
Linseed Oil	R, note 4	60
Linseed Oil Fatty Acids	NR	
Lube Oil	R, note 5	
Lubricating Oils	R, note 5	
MEK	NR	
Methane	R	
Methanol	NR	
Methyl Amyl Ketone	NR	
Methyl Butyl Ketone	NR	
Methyl Ethyl Ketone	NR	
Methyl Isoamyl Ketone	NR	
Methyl Isobutyl Ketone	NR	
Methylated Spirits	NR	
MIAK	NR	
MIBK	NR	
Mineral Oils	R	70
Mineral Spirits	R	
Molasses	R, note 2	50
Naphtha Refined Aromatic	R	
Octanol (All Isomers)	R	
Oils Mineral	R	70
Oils Refined Coconut	R, note 4	60
Oils Refined Cottonseed	R, note 4	40
Oils Refined Linseed	R, note 4	60
Oils Refined Oiticica	R, note 4	60
Oils Refined Palm	R, note 4	60
Oils Refined Safflower	R, note 4	50
Oils Refined Soya	R, note 4	50
Oils Refined Tung	R, note 4	60
Oils Vegetable	R, note 5	
Oiticica Oil	R, note 4	60
Pentanol, 1	R	
Pentyl Alcohol	R	
Petrol Premium Grade Leaded	R	
Petrol Premium Grade Unleaded	R, note 8	
Petrol Regular Grade Leaded	R	
Petrol Regular Grade Unleaded	R, note 8	

Chemical	EpinameL TL710	Max Temp °C
Petrol Unleaded E10 (10% Ethanol)	NR	
Petroleum Refined	R, note 5	
Petroleum Solvents	R, note 5	
Phenol	NR	
Phosphoric Acid & Solutions	NR	
Phthalates	R, note 5	
Potassium Hydroxide (0 - 29%)	NR	
Potassium Hydroxide (30 - 49%)	R	40
Potassium Hydroxide (50%)	R	60
Propanol	NR	
Propanone, 2-	NR	
Propyl Acetate	NR	
Propyl Alcohol	NR	
Refined Tar	R, note 1	
Safflower Oil	R, note 4	50
Safflower Oil Fatty Acid	NR	
Salt Water	R	
Sea Water	R	
Sodium Hydroxide (0 - 29%)	NR	
Sodium Hydroxide (30 - 49%)	R	40
Sodium Hydroxide (50 - 75%)	R	60
Sodium Sulfide Solutions	R	
Sodium Sulphate Solutions	R	
Soya Oil	R, note 4	50
Soya Oil Fatty Acids	NR	
Sugar (Dry)	R	
Sugar Solution	R, note 2	50
Sugar Syrup	R, note 2	50
Sulphuric Acid & Solutions	NR	
Sunflower Oil Fatty Acid	NR	
Sweet Oil	R, note 4	60
Tall Oil	NR	
Tetrachloromethane	NR	
Toluene	R	
Trichloroethane	NR	
Trichloroethane, 1,1,1-	NR	
Trichloroethane, 1,1,2-	NR	
Tung Oil	R, note 4	60
Urea	R	
Vegetable Oils	R, note 5	
Vinyl Acetate	NR	
Water, deionised	R	
Water, distilled	R	
Water, drinking	R, note 7	



Chemical	EpinameL TL710	Max Temp °C
Water, potable	R, note 7	
Water, salt	R	
Water, sea	R	
Water, tap	R	
White Spirit	R	
Wine	NR	
Xylenes	R	

For the most up to date information contact Wattyl Customer Service Hotline or visit the Wattyl Website.

CUSTOMER SERVICE HOTLINE  
WEBSITE

**Australia**  
132 101  
<http://www.wattyl.com.au>

**New Zealand**  
0800 735 551  
<http://www.wattyl.co.nz>

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