

Vacsol® K - Creosote

1.0 Description

Coal tars and creosotes have been used for well over a century throughout the world as wood preservatives. They provide broad range protection against wood destroying fungi and insects including termites.

Being insoluble in water, creosote is resistant to leaching and improves the weathering durability of wood. A further advantage is that creosote improves the fire resistance of wood.

Note that creosote is an industrial or rural use preservative only and is not suitable for residential use. Restrictions apply for some end-use applications and is not to be used where frequent and direct human contact is expected.

2.0 Formulation

Active Constituent:	1,044 g/L High temperature Coal tar creosote as per AS1604.1 Table B1
Appearance:	Dark brown to black oily liquid
Odour:	Coal tar odour.
Density:	1.04 - 1.08 kg/L @ 20°C
Boiling Point:	>230°C
Solubility:	Immiscible in water. Soluble in oils & hydrocarbons
pH:	8.0 + 0.5 @ 20°C

3.0 Directions for Use

Vacsol® K Timber Preservative is to be used only in appropriately designed and licensed industrial facilities for the impregnation of wood products. Specialist plant is required and the product cannot be used with conventional timber treatment plants.

TREATMENT SOLUTION: Vacsol® K Timber Preservative is a ready to use product and is not diluted prior to use. However it does require heating to 90°C prior to use and the temperature maintained at no less than 70°C during treatment. Contact Arch Wood Protection for detailed engineering requirements for your plant.

PREPARATION OF TIMBER: Timber to be treated must be free of decay, insect attack and excessive dirt and bark. Radiata pine should be either steam conditioned or be dried to less than 30 % moisture content prior to treatment. Where possible the timber components should be in their final shape and form. See Arch Wood Protection for specific advice on the treatment of other species.

TREATMENT OF TIMBER: Specific treatment schedules will depend on the wood commodities being treated and the treatment specification required. Generally Reuping type schedules are recommended for softwood species and Bethell type schedules are recommended for hardwood species. Refer to Table 1, Preservative Retention Guide, for minimum analytical zone retentions and recommended charge retentions for Vacsol® K Timber Preservative.

TABLE 1. PRESERVATIVE RETENTION GUIDE The figures provided above for recommended charge retention are provided as a guide only and do not take into account variations of density and/or sapwood content. Seek specialist advice regarding your resource, for the recommended net kg/m³ charge retention from your Lonza Wood Protection representative.

Hazard Class	Minimum analytical retention, %m/m ⁽¹⁾		Recommended charge retention, kg/m ³	
	Softwood	Hardwood	Softwood ⁽²⁾	Hardwood ⁽²⁾
H3	8.0	8.0	55	110
H4	20.0	10.0	135	135
H5	24.5	13.0	165	175
H6	40.0	22.3	270	300
H6 ⁽³⁾	40.0	15.2	270	200

1 - As per AS1604.1 - 2012.
 2 - Sapwood retention only based on dry wood density of 450 kg/m³ for softwood and 900 kg/m³ for hardwood.
 3 - When treated in combination with CCA Consult AS1604.1 Section 7, Table H6.2 for details of appropriate location of use for the H6 options

4.0 Storage

It is recommended that bulk storage tanks are heated to 90°C and have a recirculating or stirring facility to maintain homogeneity. Flammable vapours may persist in empty tanks and drums. Do not weld on tanks or use open flames in tanks until they have been thoroughly cleaned and purged with fresh air.

5.0 Safety & Handling

UN Number:	3082
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S. (contains polyaromatic hydrocarbons)
ADG Class:	3
Hazchem Code:	*3Y
Packaging Group:	III
IERG:	47
APVMA Approval No:	80003/100021
Registered:	For use in all states of Australia.
SUSMP:	Poison schedule S7.



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Melbourne: 03 9339 8915

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6.0 First Aid

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone: Australia 131 126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

7.0 Spillage

The product is toxic to fish and wildlife. Do not contaminate lakes, streams or sewerage lines with the product, used containers or washings from equipment. Contain spillage with sand or soil; prevent the spill entering waterways. Pump liquid into suitable containers for re-use or disposal.

Absorb residue with sawdust or other absorbent and collect for disposal. Dispose of empty containers, absorbent or contaminated waste through an approved waste facility.

8.0 Packaging

205L high density polyethylene drums
Bulk Load
Drums are non-returnable unless otherwise agreed

9.0 Mixing

A Lonza representative can advise on the most appropriate concentration to use for the application method, treatment process, timber commodity and end-use.

No heat is required when mixing or using Diffusol®.

In case of chemical emergency contact:

Emergency Services - 000
LONZA Emergency Response - 1800 796637

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