

Investigation of the loss of creosote components from railroad ties

National Library of Canada - 'We Know What We Want': 5th Ward Residents Demand Action After Another Confirmed Cancer Cluster

Description for constituents	Assumed loss by Fraction to air	Fraction to ground	Mass loss fraction by fraction	Mass loss fraction by technology	
Frac constituents with IPBC(13-1)	2%	3%	7%	0.001%	0.005%
Frac constituents with IPBC(13-2)	1%	1%	8%	0.001%	0.005%
Frac constituents with IPBC(13-3)	1%	3%	9%	0.002%	0.005%
Frac constituents with IPBC(13-4)	15%	0%	10%	0.004%	0%
Total assumed mass fraction	18%		Sum	0.004%	0.013%
No of constituents				1%	0.0%
Projected lifetime for 5 years				2%	4%
Relative risk of death from treatment				3%	5%

Description: -

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- Canadian theses = -- Thèses canadiennes Investigation of the loss of creosote components from railroad ties

Notes: Thesis (M.A.Sc.) -- University of Toronto, 2001.

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Tags: #Web #Documents #for #UPRR #Tie #Treating #Plant

Emissions of polycyclic aromatic hydrocarbons (PAH) from creosoted railroad ties and their relevance for life cycle assessment (LCA)

The light fraction includes the nitrogen-, oxygen-, and sulphur-substituted PAHs, naphthalenes, acenaphthene, fluorene, phenols, and hydrocarbons from the oil with which the creosote was diluted. However, workers should follow standard precautions, such as wearing gloves and dust masks, when working with wood treated with IPBC.

ATSDR

There is some information available on the effects of polycyclic aromatic hydrocarbons PAHs in experimental animals and humans.

Creosote

It is estimated that 90% of all railway ties removed each year are reused. Longer exposures to the vapors of the creosotes can cause irritation of the respiratory tract.

The Creosote Threat To Railroaders

Davies on treating plant operations. It has the same degree of solubility as coal-tar creosote and is easy to impregnate into wood. Since skin carcinogenesis is considered to be the result of several discrete biological steps tumor initiation and tumor promotion , the 6-month study is an attempt to evaluate these steps separately.

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The creosote found at hazardous waste sites is most often a black, heavy liquid.

Creosote Exposure Cancer Lawyers

Unfixed preservatives can leach from treated wood.

Life Cycle Assessment of Creosote

Human exposure to coal tar creosote can occur by inhalation or direct dermal contact.

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