

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Creosote, from beechwood tar

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 3)

Acute toxicity, Inhalation (Category 3)

Acute toxicity, Dermal (Category 3)

Skin corrosion (Category 1B)

Germ cell mutagenicity (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Specific target organ toxicity - repeated exposure (Category 2)

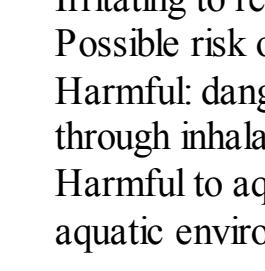
Chronic aquatic toxicity (Category 3)

According to European Directive 67/548/EEC as amended.

Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Harmful; danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Possible risk of irreversible effects. Irritating to respiratory system. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.

Hazard symbol(s)

T Toxic

R-phrase(s)

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R37 Irritating to respiratory system.

R68 Possible risk of irreversible effects.

R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Other hazards

Vesicant, Rapidly absorbed through skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Beechwood creosote

CAS-No.	EC-No.	Classification	Concentration
Cresol 1319-77-3	215-293-2	- Skin Corr. 1B; Acute Tox. 3; H301, H311, H314 T, R24/25 - R34	>= 10 - <= 30 %

Xylenol 1300-71-6	215-089-3	- Skin Corr. 1B; Aquatic Chronic 2; Acute Tox. 3; H314, H301, H311, H411 T, N, R24/25 - R34 - R51/53	>= 10 - <= 15 %
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2-Methoxy-p-cresol 93-51-6	202-252-9	- Acute Tox. 4; Skin Irrit. 2; Eye >= 10 - <= 30 % Irrit. 2; STOT SE 3; H302; H315, H319, H355 Xn, R22 - R36/37/38	
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Phenol 108-95-2	203-632-7	- Muta. 2; Acute Tox. 3; STOT RE 2; Skin Corr. 1B; H301, H311, H314, H331, H341, H373 T, C, Mut.Cat.3, R23/24/25 - R34 - R48/20/21/22 - R68	>= 10 - <= 15 %
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Guaiacol 90-05-1	201-964-7	604-031-00-6 Acute Tox. 4; Eye Irrit. 2; Skin >= 10 - <= 30 % Irrit. 2; H319, H315, H302 Xn, R22 - R36/38	
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For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Normal measures for preventive fire protection.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Handle and store under inert gas. Air, light, and moisture sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid

Safety data

pH	7.0 - 8.0
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Melting point	< -20 °C
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Boiling point	200 - 220 °C
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Flash point	74 °C - closed cup
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Ignition temperature	360 °C
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Lower explosion limit	1,7 % (V)
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Upper explosion limit	8,6 % (V)
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Vapour pressure	< 0,7 hPa at 25 °C
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Density	1,090 g/cm³
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Water solubility	no data available
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10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

May affect product quality.

Materials to avoid

Acid chlorides

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Skin

May be harmful if swallowed. May cause skin irritation.

Eyes

May be harmful if inhaled. May cause eye irritation.

Signs and Symptoms of Exposure

Respiratory or skin irritation. Nausea, Dizziness, Headache, and toxic cardiovascular properties have not been thoroughly investigated.

Additional Information

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and present use of the product. Appropriate safety precautions should be taken for any use of the product which goes beyond its present use. The information in this document is based on the present state of our knowledge and present use of the product. Appropriate safety precautions should be taken for any use of the product which goes beyond its present use.

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