SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers
   Product name : Creosote beechwood
   CAS-No. : 8021-39-4

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Identified uses : Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet
   Company : Central Drug House (P) Ltd
   7/28 Vardaan House
   New Delhi -110002
   INDIA
   Telephone : +91 11 49404040
   Email : care@cdhfinechemical.com

1.4 Emergency telephone number
   Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification according to Regulation (EC) No 1272/2008
   Acute toxicity, Oral (Category 3), H301
   Acute toxicity, Inhalation (Category 4), H332
   Acute toxicity, Dermal (Category 3), H311
   Skin corrosion (Category 1B), H314
   Germ cell mutagenicity (Category 2), H341
   Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
   Specific target organ toxicity - repeated exposure (Category 2), H373
   Chronic aquatic toxicity (Category 2), H411

   For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements
   Labelling according Regulation (EC) No 1272/2008
   Pictogram
   ![Pictogram]

   Signal word : Danger
Hazard statement(s)
H301 + H311   Toxic if swallowed or in contact with skin
H314   Causes severe skin burns and eye damage.
H332   Harmful if inhaled.
H335   May cause respiratory irritation.
H341   Suspected of causing genetic defects.
H373   May cause damage to organs through prolonged or repeated exposure.
H411   Toxic to aquatic life with long lasting effects.

Precautionary statement(s)
P260   Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280   Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 + P310   IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
P303 + P361 + P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310   IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P305 + P351 + P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Vesicant., Rapidly absorbed through skin.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Synonyms : Beechwood creosote

Hazardous ingredients according to Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cresol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS-No. 1319-77-3</td>
<td>Acute Tox. 3; Skin Corr. 1B; H301, H311, H314</td>
<td>&gt;= 30 - &lt; 50 %</td>
</tr>
<tr>
<td>EC-No. 215-293-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index-No. 604-004-00-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Guaiacol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS-No. 90-05-1</td>
<td>Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; H302, H315, H319</td>
<td>&gt;= 30 - &lt; 50 %</td>
</tr>
<tr>
<td>EC-No. 201-964-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index-No. 604-031-00-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2-Methoxy-p-cresol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS-No. 93-51-6</td>
<td>Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335</td>
<td>&gt;= 30 - &lt; 50 %</td>
</tr>
<tr>
<td>EC-No. 202-252-9</td>
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<td></td>
</tr>
<tr>
<td>Index-No. 604-001-00-2</td>
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<td></td>
</tr>
<tr>
<td><strong>Phenol</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS-No. 108-95-2</td>
<td>Acute Tox. 3; Skin Corr. 1B; Muta. 2; STOT RE 2; Aquatic Chronic 2; H301, H331, H311, H314, H341, H373, H411</td>
<td>&gt;= 10 - &lt; 20 %</td>
</tr>
<tr>
<td>EC-No. 203-632-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index-No. 604-001-00-2</td>
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<td></td>
</tr>
</tbody>
</table>

Concentration limits:
Xylenol

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>1300-71-6</th>
<th>Acute Tox. 3; Skin Corr. 1B;</th>
<th>&gt;= 10 - &lt; 20 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC-No.</td>
<td>215-089-3</td>
<td>Aquatic Chronic 2; H301,</td>
<td></td>
</tr>
<tr>
<td>Index-No.</td>
<td>604-006-00-X</td>
<td>H311, H314, H411</td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
6.3 **Methods and materials for containment and cleaning up**
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 **Reference to other sections**
For disposal see section 13.

**SECTION 7: Handling and storage**

7.1 **Precautions for safe handling**
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

7.2 **Conditions for safe storage, including any incompatibilities**
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. Storage class (TRGS 510): Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials

7.3 **Specific end use(s)**
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**SECTION 8: Exposure controls/personal protection**

8.1 **Control parameters**

8.2 **Exposure controls**

**Appropriate engineering controls**
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Personal protective equipment**

**Eye/face protection**
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin 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.

**Body Protection**
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineer protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**SECTION 9: Physical and chemical properties**

9.1 **Information on basic physical and chemical properties**

a) Appearance Form: liquid
b) Odour No data available
c) Odour Threshold No data available
d) pH 7.0 - 8.0
e) Melting point/freezing point Melting point/range: < -20 °C
f) Initial boiling point and boiling range 200 - 220 °C
g) Flash point 74 °C - closed cup
h) Evaporation rate No data available
i) Flammability (solid, gas) No data available
j) Upper/lower flammability or explosive limits
   Upper explosion limit: 8.6 %(V)
   Lower explosion limit: 1.7 %(V)
k) Vapour pressure < 0.5 mmHg at 25 °C
l) Vapour density No data available
m) Relative density 1.090 g/cm3
n) Water solubility No data available
o) Partition coefficient: n-octanol/water No data available
p) Auto-ignition temperature No data available
q) Decomposition temperature No data available
r) Viscosity No data available
s) Explosive properties No data available
t) Oxidizing properties No data available

9.2 Other safety information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Exposure to moisture may affect product quality.
Heat, flames and sparks.

10.5 Incompatible materials
Acid chlorides

10.6 Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - No data available
In the event of fire: see section 5
SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)

Reproductive toxicity
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

Additional Information
RTECS: Not available

Nausea, Dizziness, Headache, Cardiovascular effects, Muscle cramps/spasms. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects
Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number
ADR/RID: 2922  IMDG: 2922  IATA: 2922

14.2 UN proper shipping name
ADR/RID: CORROSIVE LIQUID, TOXIC, N.O.S. (Cresol, 2-Methoxy-p-cresol)
IMDG: CORROSIVE LIQUID, TOXIC, N.O.S. (Cresol, 2-Methoxy-p-cresol)
IATA: Corrosive liquid, toxic, n.o.s. (Cresol, 2-Methoxy-p-cresol)

14.3 Transport hazard class(es)
ADR/RID: 8 (6.1)  IMDG: 8 (6.1)  IATA: 8 (6.1)

14.4 Packaging group
ADR/RID: II  IMDG: II  IATA: II

14.5 Environmental hazards
ADR/RID: no  IMDG Marine pollutant: no  IATA: no

14.6 Special precautions for user
No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment
For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H301    Toxic if swallowed.
H301 + H311    Toxic if swallowed or in contact with skin
H302    Harmful if swallowed.
H311    Toxic in contact with skin.
H314    Causes severe skin burns and eye damage.
H315    Causes skin irritation.
H319    Causes serious eye irritation.
H331    Toxic if inhaled.
H332    Harmful if inhaled.
H335    May cause respiratory irritation.
H341    Suspected of causing genetic defects.
H373    May cause damage to organs through prolonged or repeated exposure.
H411    Toxic to aquatic life with long lasting effects.

Further information
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 is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.