Safety Data Sheet

1. **Product and company identification**
   
   Supplier: The Vapormatic Co. Ltd  
   PO Box 58, Kestrel Way  
   Sowton Industrial Estate,  
   Exeter, EX2 7NB, England  
   
   Phone Number: 00 44 (0)1392 435461  
   Fax Number: 00 44 (0)1392 438445  
   Email: enquiries@vapormatic.com  
   
   Product Name: HAMMER FINISH 0122 - xxxx  
   Product Code: VLB57

2. **Composition – information on the components**

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS No.</th>
<th>EU No.</th>
<th>% by Wt</th>
<th>Hazard Symbols</th>
<th>Risk Phrases</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>25 - 50%</td>
<td>Xn, Xi</td>
<td>R10, R38, R20/21</td>
<td>2 + 2</td>
</tr>
<tr>
<td>butan-1-ol</td>
<td>71-36-3</td>
<td>200-751-6</td>
<td>2,5 - 10%</td>
<td>Xn, Xi</td>
<td>R10, R22, R41, R67, R37/38</td>
<td>2 + 2 + 4 + 4</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrodesulfurized heavy</td>
<td>64742-82-1</td>
<td>265-185-4</td>
<td>1 - 3%</td>
<td>Xn, N</td>
<td>R65, R48/20, R51/53</td>
<td>4, H 1 + 1 + 2 + 2</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>202-849-4</td>
<td>2.5 - 10%</td>
<td>Xn, F</td>
<td>R11, R20</td>
<td>2 + 2 + 3 + 3</td>
</tr>
</tbody>
</table>

1) -en-  
2) This compound has Occupational Exposure Limits  
3) -en-  
4) -en-  

Hazardous compounds in accordance with EC Directives 1999/45/EEC; 2001/59/EEC (symbol and R-phrases are stated for the pure compound). Any volatile compounds are stated in item 8 in units of ppm.

3. **Hazard Identification:**

   Main Hazards:  
   This product is flammable and presents a health hazard. Harmful by inhalation and in contact with skin. Irritating to skin. Contains 2-Butanonoxim. May cause allergic reactions.
Safety Data Sheet

4. First Aid Measures:

First Aid – Eyes
Remove contact lenses if worn. Flush immediately with Water for at least 15 minutes. Get immediate medical attention

First Aid – Skin
Immediately remove contaminated clothing. Wash with soap and water – skin cleaner may be used. Do not use solvents or thinners

First Aid – Ingestion
Do NOT induce vomiting. If vomiting occurs, hold head low to prevent aspiration of liquid into lungs. Obtain medical help or ambulance.

First Aid – Inhalation
If patient feels unwell move to fresh air and keep under surveillance. If the victim is unconscious, ascertain whether the victim is breathing. If breathing has stopped, apply artificial respiration. If the victim is unconscious but breathing, place in the recovery position and keep warm with blankets. Obtain immediate medical attention or call an ambulance.

First Aid - Burns:
Flush with plenty of water until pain ceases. Whilst flushing with water, remove all loose clothing from area of burns. If medical treatment is necessary, continue rinsing until a doctor takes over the treatment.

5. Fire Fighting Measures:

Extinguishing Media
Extinguish fire with foam, carbon dioxide, powder, or water vapor.

Unsuitable Extinguishing Media
Do not use water jet as it spreads fire

Combustion Products
Fire will produce thick black smoke

Protective Equipment
Products of combustion are harmful and respiratory protection will be required.

Additional Information
Cool closed containers with water

6. Accidental Release Measures:

Personal precautions:
Avoid inhalation of vapours. See protection measures in item 7 and 8.

Environmental precautions:
If lakes, waterways or drains become contaminated, inform the environmental authorities.

Cont...
Safety Data Sheet

7. Handling and Storage:

Handling Procedure
Vapors may form explosive mixtures with air. Prevent the formation of flammable or explosive mixtures. Minimize vapor concentrations. Do not use this material near naked flames or any other ignition source. Electrical installations must be protected according to regulations. The product may be charged electrostatically. Always use underground wire when transferring from one container to another. Personnel should wear antistatic shoes and clothing. Floors should be conductive. Avoid contact with eyes and skin. Avoid inhaling vapors and spray mists. Smoking and the consumption of food and drink are not permitted in work rooms. Personal protective equipment Refer to section 8.

Storage Procedure
Follow the Danish Emergency Management Agency guidelines for flammable liquids. The product must be kept away from children. Store in a tightly closed container and in accordance with the current regulations in a dry and well-ventilated place away from food. Keep away from ignition sources, oxidizing agents and strong acidic and basic substances. No smoking. No admittance to unauthorized persons. Opened containers must be carefully closed and stored upright to prevent leakage.

8. Exposure Controls – Personal Protection

Occupational Exposure Limits: The specified exposure limit values are in accordance with the Danish National Working Environment Authority's list of recommended Exposure Limit Values.

<table>
<thead>
<tr>
<th>CAS number</th>
<th>Chemical Name</th>
<th>Occupational Exposure Limits:</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-82-1</td>
<td>Naphtha (petroleum), hydrodesulfurized heavy</td>
<td>25 ppm 145 mg/m³</td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene</td>
<td>25 ppm 109 mg/m³</td>
<td>H</td>
</tr>
<tr>
<td>71-36-3</td>
<td>Butan-1-ol</td>
<td>50 ppm 150 mg/m³</td>
<td>H, L</td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td>50 ppm 217 mg/m³</td>
<td>K</td>
</tr>
</tbody>
</table>
Engineering Control Measures: All work must be planned with a view to limit the breathing of fumes and the exposure to the skin. Ensure adequate ventilation. If this is not possible, use respiratory protection according to the MAL code number.

Respiratory Protection: Wear compressed air full face mask

Hand Protection: Use nitrile protection gloves. A 15-mil thickness glove provides a one-hour breakthrough-time. Follow the glove manufacturer's recommendations on use and replacement.

Eye protection: Use suitable protective goggles or full face mask for protection against splashes.

Body Protection: If possible, wear special work clothes. When spraying wear coveralls.

General information: Prevent employee exposure to substances which may be hazardous by pregnancy or breast feeding.

9. Physical and technical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Flash point</td>
<td>25</td>
</tr>
<tr>
<td>Density</td>
<td>0.96</td>
</tr>
<tr>
<td>Fire class</td>
<td>II - 1</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>1 - 8</td>
</tr>
<tr>
<td>Weight % organic solvents</td>
<td>54</td>
</tr>
<tr>
<td>VOC content (grams / liter)</td>
<td>518</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity:

Conditions to Avoid: Stable at normal temperature. When exposed to high temperatures, toxic decomposition products may be formed.

Materials to Avoid: To prevent heat-generating reactions, keep the product away from oxidizing agents and strong acidic and basic substances.

11. Toxicological Information:

Inhalation: Inhalation of vapors may cause symptoms of poisoning such as memory and concentration difficulties, abnormal tiredness, irritability and, in extreme cases, unconsciousness. Prolonged and repeated inhalation of high concentrations may cause damage to liver, kidneys, brain and nervous system.

Contact with skin: Organic solvents have a degreasing effect on the skin. Repeated and/or prolonged contact with this product may cause inflammation and irritation. Organic solvents may be absorbed through skin.

Cont...
Contact with eyes: Eye irritation. Splashes in the eye may cause irritation.

Ingestion: Chemical pneumonia may occur if organic solvents enter the lungs through vomiting. Accidental swallowing may cause vomiting and stomach pains.

General information: Contains Ethylbenzene, which is included in the Danish National Working Environment Authority's list of substances and processes considered to be carcinogenic.

12. Ecological Information:

Ecotoxicity: Do not dispose of this product in drains, watercourses, or on the ground.

Mobility: Naphtha (petroleum), hydrodesulfurized heavy EASILY DEGRADABLE: Is degraded relatively fast by naturally occurring micro-organisms.

General information: This product is not classified as an environmental risk referring to the calculation method in the Statutory Order on classification packaging, labeling, sale and marketing of chemical substances and products; but it does contain substances classified.

Naphtha (petroleum), hydrodesulfurized heavy VERY POISONOUS FOR WATER ORGANISMS: May cause high mortality in water organisms already at low concentration and short-term exposure BIO-ACCUMULATES in water-based environments.

LogPow: Naphtha (petroleum), hydrodesulfurized heavy 2-7

13. Disposal:

Product disposal Waste receptacles must be labeled with black text on yellow background: "Contains a substance which is affected by the Danish work environmental legislation, on account of a risk of cancer". Product residues are classified as chemical waste.

Waste code: 08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances

14. Transport Information:

No details specified for transport
15. **Regulatory Information:**

General information: In accordance with the EC Directives 1999/45/EEC; 2001/59/EEC Statutory Order on classification, packaging, labelling, sale and storage of chemical substances and products the product is marked as follows:

Contains Xylene

Special labelling: Contains 2-Butanonoxim. May cause allergic reactions.

Risk Phrases

- R10 Flammable.
- R38 Irritating to skin.
- R20/21 Harmful by inhalation and in contact with skin.

Safety Phrases

- S23 Do not breathe vapour.
- S51 Use only in well-ventilated areas.
- S7/9 Keep container tightly closed and in a well-ventilated place.
- S36/37 Wear suitable protective clothing and gloves.

Uses and Restrictions:

Not to be handled by individuals under the age of 18 years, according to Danish Ministry of Employment's ministerial order No. 516 of 14th June 1996, concerning young people in employment.

Special Education:
Due to a ethylbenzene agent content, this product is affected by Danish National Working Environment Authority's instruction on cancer risk preventive measures when handling substances and products.

16. **Other Information:**

R phrases:

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R22 Harmful if swallowed.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R65 Harmful: may cause lung damage if swallowed.
- R67 Vapours may cause drowsiness and dizziness.
- R20/21 Harmful by inhalation and in contact with skin.
- R37/38 Irritating to respiratory system and skin.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

General information:
The information in this Material Safety Data Sheet is based upon our knowledge and on European Union and national legislation. The user's working conditions are outside our control. It is the responsibility of the users to fulfil the requirements set by National Legislation. The information is no guarantee of the properties of the product.

Cont...
Training advice:
The instructions in this Material Safety Data Sheet are given on the assumption that the product is used as stated in Item 1. Restrictions of use and special training requirements must also be complied with. The information in this Material Safety Data Sheet should be regarded as a description of the safety issues concerning the product.

Final remarks:
The Material Safety Data Sheet may only be reproduced with the permission of the manufacturer.
References:

Corrections:
Technical Data Sheet has been changed.

Drawn up by: GK
1. issue: 1979
Updated by: gk