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

1.1. PRODUCTS IDENTIFICATION: Thermoplastic Mixture of hydrocarbon waxes and resins

1.2. USE OF SUBSTANCE: A re-usable, hard, easily machined plastic, with a melting Point of approx 110°C

1.3. COMPANY: Tekwani Applications Limited
77 Northover Road
Westbury on Trim
Bristol
BS9 3 LQ
Telephone Number: +44 (0)117 9501710
E-mail: wax@trycut.co.uk

1.4. EMERGENCY TELEPHONE: 781-852-5005

2. HAZARDS IDENTIFICATION

Hazardous components: none, non-toxic, non-carcinogenic

Potential health effects:

Skin contact

Eye contact
Solid-none, but small particles can cause physical irritation. Molten wax results in burns.

Inhalation
Inhalation of paraffin wax vapours on heating or powder particles on cutting / machining may cause respiratory tract irritation.

Ingestion
Solid -no significant hazard, non toxic. Molten liquid -burns on contact with mouth/oesophagus/stomach
3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance is a mixture with following general composition:

<table>
<thead>
<tr>
<th>Component Classified As Dangerous (CHIP3)</th>
<th>Approximate % by weight</th>
<th>C.A.S. No. &amp; EINECS No.</th>
<th>UK/EU Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Humectant 1</td>
<td>&lt;10%</td>
<td>Trade Secret</td>
<td>S 23 24/25</td>
</tr>
<tr>
<td>2. Humectant 2</td>
<td>&lt;8.0%</td>
<td>Trade Secret</td>
<td>None</td>
</tr>
<tr>
<td>3. Polymer</td>
<td>&lt;4.0%</td>
<td>Trade Secret</td>
<td>S22 24/25</td>
</tr>
<tr>
<td>Components Not Classified as Dangerous</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Water</td>
<td>85-95%</td>
<td>7732-18-5</td>
<td>None</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Ingestion
May cause damage only in hot (molten) state. Same action as in case of burns.

Skin contact
- Molten -immerse the area in water to assist cooling. Apply sterile cover. Seek medical attention.
- Solid -do not remove solidified wax from skin. Allow it to peel off with the dead skin as the wound heals.

Eye contact
- Molten -flush with cold water. Seek medical attention

5. FIRE-FIGHTING MEASURES

Extinguishing Media
CO2, Foam and Dry Chemical / sand. Do not use water.

Usual Fire Hazards
Burns exuding dense smoke, incomplete combustion produces fumes & carbon monoxide

Protection of Fire fighters
Emergency Protective Equipment self contained air packs should be worn when fighting a major fire.

6. ACCIDENTAL RELEASE MEASURES

Spillage
No special precautions necessary apart from when molten. If this occurs allow to cool and remove mechanically
Disposal
Burn in an approved incinerator or place in an approved landfill.

7. HANDLING AND STORAGE

Storage
Store away from open flames and sources of heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal precautions
Avoid contact with hot/molten wax

Eye/face/body
Face shield and protective clothing (cotton overalls) should be worn when working with molten wax.
Area should be well ventilated.

Hands
Use leather gloves as they provide heat insulation and do not absorb molten wax.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Blue</td>
</tr>
<tr>
<td>Odour</td>
<td>Practically odourless</td>
</tr>
<tr>
<td>Softening point</td>
<td>100-115 ºC</td>
</tr>
<tr>
<td>Density</td>
<td>0.94 g.cm⁻³</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Thermal cracking occurs below boiling point</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid below softening / congealing point, liquid above congealing point</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Conditions to avoid
Exposure to open flames, prolonged storage at 50 ºC above softening point may interfere with quality.

Material to avoid
Avoid contact with strong oxidising agents

Thermal decomposition
Approx 250 ºC

Decomposition products
Carbon monoxide, aldehydes in the case of incomplete combustion.
11. TOXICOLOGICAL INFORMATION

None Toxic

12. ECOLOGICAL INFORMATION

The product is a water-insoluble, solid polymer which under normal environmental conditions has no detrimental effect on plants animals or micro-organisms.

13. DISPOSAL CONSIDERATIONS

Information not supplied

14. TRANSPORT INFORMATION

Information not supplied

15. REGULATORY INFORMATION

Information not supplied

16. OTHER INFORMATION

Although the information contained in this data sheet is presented in good faith and to the best of Tekwani Applications Limited's, knowledge and experience, it is made without any warranty or guarantee whatsoever.