Material Safety Data Sheet

Manufacturer's Name
NIKKO KASEI Co., LTD. SHIGA PLANT

Address
2-1, 4CHO-ME, ISHIBEGUCHI, KONAN, SHIGA JAPAN

Phone Number (For Information)
81-748-77-2870

Emergency Phone Number
81-748-77-2871

Date Prepared
DEC. 22. 2008

SECTION 1. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance/Mixture</th>
<th>Wt.%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thin woven cotton</td>
<td>40~45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenolic resin products</td>
<td>55~60</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CIAS Name of HAZARDOUS CHEMICALS For SDS IN JAPAN
Not Applicable

Chemical Name & Common Names
Cotton Thin Woven Reinforced Phenolic Resin.

SECTION 2. PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>None</td>
</tr>
<tr>
<td>Specific Gravity (H₂O=1)</td>
<td>1.30~1.40</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg and Temperature)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Melting Point</td>
<td>None</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate=1)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>None</td>
</tr>
<tr>
<td>Water Reactive</td>
<td>None</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Yellow-Brown molded solid, None</td>
</tr>
</tbody>
</table>

SECTION 3. FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point and Method Used</td>
<td>No Data</td>
</tr>
<tr>
<td>Ignition Point and Method Used</td>
<td>No Data</td>
</tr>
<tr>
<td>Explosion Limit</td>
<td>Upper None, Lower None</td>
</tr>
<tr>
<td>Ignitability (Auto-Ignition, Reaction with water)</td>
<td>None</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>None</td>
</tr>
<tr>
<td>Self Reaction Properties</td>
<td>None</td>
</tr>
<tr>
<td>Explosiveness</td>
<td>None</td>
</tr>
<tr>
<td>Dust Explosiveness</td>
<td>None</td>
</tr>
<tr>
<td>Extinguisher Media</td>
<td>A normal fire extinguishing is not particular.</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Keep personal removed from and upwind of fire.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>Toxic gases (carbon monoxide, carbon dioxide, nitrogen oxides, hydrocarbon) will from upon combustion.</td>
</tr>
<tr>
<td>Other</td>
<td>Nonflammable</td>
</tr>
</tbody>
</table>

※ Optional
No PL-PF-0101-1/3
SECTION 4. REACTIVITY HAZARD DATA

STABILITY
☑ Stable
☐ Unstable

Condition
☑ Stable
☐ Unstable

To Avoid
Strong Acids, Bases, solvents.

Incompatibility
(Materials to Avoid)
Strong Acids, Bases, solvents

Hazardous
Decomposition Products
Unknown

Hazardous Polymerization
☑ May Occur
☐ Will not Occur

Conditions
To Avoid
Strong Acids, Bases, solvents

SECTION 5. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY
☐ Inhalation
☐ Ingestion
☐ Unstable
☑ Not Hazardous

CARCINOGEN
☐ Listed
☐ Not Listed

OSHA
☐ Listed
☐ Not Listed

HEALTH HAZARDS
Acute Toxicity
Not Hazardous

Chronic Toxicity
Not Hazardous

Signs Symptoms of Exposure
Unknown

Sensitization
Unknown

Carcinogenicity
Unknown

Mutagenicity (Microorganism, Chromosomal Aberration)
Unknown

Reproductive Toxicity
Unknown

Teratogenicity
Unknown

Medical Conditions
Generally Aggravated Exposure
Unknown

EMERGENCY FIRST AID PROCEDURES
- Seek medical assistance for further treatment observation and support necessary.

Eye Contact
If the finished product are processed further, micro powder will be found. If the found micro powder comes to eyes, wash off with clean water immediately. If necessary, See a doctor.

Skin Contact
If the found micropowder is stock on skin, immediately wash off with soap and clean water. If necessary, See a doctor.

Inhalation
If the found micropowder is inhaled, immediately rinse out the mouth and the throat. And get ride of it.

Ingestion
If swallowed, immediately spit out. If necessary, See a doctor.

SECTION 6. CONTROL AND PROTECTIVE MEASURES

Respiratory Protection
( Specify type)
Protective Glove
Eye Protection

When the finished products are produced further, the powder be found. Wear a protection cloth in order not to contact the powder on skin directly. After finishing the process or leaving the working place, get rid all powder. In a additional rinse a throat and hands.

VENTILATION
To BE USED
☐ Local Exhaust
☒ Mechanical (general)
☐ Special

Other Protective Clothing Equipment
Gloves and safety glasses and filter respirator are needed by drilling, sanding and sawing.

Hygienic Work Practices
None

SECTION 7. PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken If Material is Spoiled or Released
Sweep up, place in a bag and hold for waste disposal.

※ Optional
Waste Disposal
No special waste disposal method.
Method
Follow all regulations in your country.

Precautions to be taken in Handling and Storage
Wear protective gloves. Do not breathe dust. Not particular problem with storage, however, keep in room temperature indoor.

Other Precautions and/or Special Hazards
None

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

Attention to abandonment. In order to get rid of waste hire company which handle properly. In additional, follow state/city law and rule if the waste is abolished.

SECTION 8. CONTINUATION

OTHERS:
Handling of the mentioned contact
Even though the mentioned contact in this article is written based on available data and information, the mentioned content provide only information. There is guaranty to ensure the mentioned contact. The list of attention applies for only normal handling. Thus, take proper measures in order to avoid any kind of damage and danger.

All materials may present unknown hazards and should be used in caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.