SAFETY DATA SHEET
PREFERE 6121

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: PREFERE 6121
Applications: ADHESIVE FOR LAMINATED WOOD CONSTRUCTIONS
Supplier: Dynea(Shanghai)Co., Ltd.
Telephone: + 86-21-58681485
Fax: + 86-21-58661619

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Content/%</th>
<th>Symbol</th>
<th>R-phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic co-polymer emulsion</td>
<td></td>
<td></td>
<td>10-40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poly-vinyl alcohol</td>
<td></td>
<td>25213-24-5</td>
<td>1-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td></td>
<td>215-279-6</td>
<td>10-30</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Surfactant</td>
<td></td>
<td>215-279-6</td>
<td>&lt; 1</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>30-50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See section 16 for explanations to R-phrases
Composition comments: Harmful components are listed according to guideline for safety data sheets. Other components, not classified as harmful, are indicated by a hyphen (-).

3. HAZARDS IDENTIFICATION

No Labeling required according to current legislation.

4. FIRST AID MEASURES

General: SYMPTOMS AND EFFECTS
This product is not classified with regard to health effects. In case of accident, prevent exposure and implement necessary actions as described below. Observe the risk of effects and damage to health in case of accidents entailing exposure to larger quantities.

GENERAL ADVICE CONCERNING FIRST AID
Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Keep affected person under observation. Get medical attention if necessary or contact emergency centre. Refer to the Safety Data Sheet for this chemical.

When unconscious, loosen tight clothing and position in secured recovery position. In case of suspended respiratory: Start resuscitation.

Inhalation
By indication of effects on any person: Keep the affected person resting.

Ingestion
If the affected person is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. As soon as possible, contact doctor / hospital for transport to hospital and continued treatment.

Skin
Wash skin with soap and water. Remove contaminated clothing. Seek medical advice if irritation persists or if the skin appears to be damaged.

Eyes
Promptly wash eyes with plenty of water while lifting the eye lids. Contact doctor / hospital for continued treatment or transport to hospital.

5. FIRE FIGHTING MEASURES

Extinguishing media
Use extinguishing media appropriate for surrounding fire.

Hazardous combustion products
Common combustion products.

Protective measures in fire
Fire personnel exposed of gases from the commended to use respiratory protection. Avoid skin contact/inhalation of dust/vapors. (Also see section 8).

6. ACCIDENTAL RELEASE MEASURES

Personal precaution in spill
Wear necessary protective equipment. See section 8.

Precautions to protect environment
Limit the leakage field. Block up contaminated area. Runoff or release to sewer, waterway or ground is forbidden. The product is partly soluble in water.

Spill cleanup methods
Absorb in vermiculite, dry sand or earth and place into containers. Remove containers and flush area with water. Inform Authorities if large amounts are involved. When cured, the resin may be disposed of on an ordinary landfill.

7. HANDLING AND STORAGE

Usage precautions
Avoid spilling, skin and eye contact. Provide sufficient ventilation. Eye wash facilities should be available when handling this product.

Usage description
Read and follow manufacturer's recommendations.

Storage precautions
To be kept In closed containers when not in use. Store at 5-40℃

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION
Protective equipment

Process conditions
Eye wash facilities should be available when handling this product.

Ventilation
Provide adequate general and local exhaust ventilation.

Respirators
Respiratory protection not required.

Protective gloves
Use chemical resistant gloves that comply with acceptable standard. Suitable material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. In the selection of protective equipment, the user must ensure that the equipment complies with the relevant standard. If there is any doubt the user should show this data sheet to the supplier of the equipment to ensure that the correct equipment is available to potential users.

Eye protection
Wear approved safety goggles.

Other Protection
Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Viscous. Fluid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic.</td>
</tr>
<tr>
<td>Physical data comments</td>
<td>For technical data and specifications; see technical data sheet.</td>
</tr>
<tr>
<td>Boiling point (°C, interval)</td>
<td>100</td>
</tr>
<tr>
<td>Density/specific gravity (g/ml)</td>
<td>1.1-1.3</td>
</tr>
<tr>
<td>pH-value, conc. solution</td>
<td>7.0-8.5</td>
</tr>
<tr>
<td>Viscosity (interval)</td>
<td>7000 ~ 9000 mPa.s</td>
</tr>
<tr>
<td>Solubility description</td>
<td>Miscible with water.</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
The product is stable at the conditions of handling and storage stated in the technical data sheet.

Hazardous decomposition products
Unlikely under normal industrial use.

11. TOXICOLOGICAL INFORMATION

Health hazards
In the industry irritating properties represent the main hazard.

Inhalation
The risk of exposure is limited as the product is only slightly volatile.

Ingestion
May cause discomfort.

Skin
Slightly irritating.

Eyes
Irritating to eyes.
12. ECOLOGICAL INFORMATION

Ecological information
Not regarded as dangerous for the environment under current legislation.

Mobility
Partially water soluble.

Bio accumulation
No bioaccumulation expected

Degradability
The product is slowly but not readily degradable

13. DISPOSAL CONSIDERATIONS

Disposal methods
Disposal should take place according to national and local regulations. Confirm disposal procedures with local authorities. Cured resin is regarded as not hazardous waste.

Waste class
EWC-code: 08 04 09.
EWC-code will depend on the use of this product.

Contaminated packaging
Empty packaging as much as possible. Drained packaging should be recycled if possible.

14. TRANSPORT INFORMATION

Road Transport
ADR class
Not dangerous according to ADR/RID/IMDG/IATA.

15. REGULATORY INFORMATION

Risk phrases
Not classified.

UK regulatory references
Occupational Exposure Standard.

EU directives

16. OTHER INFORMATION

Explanations to R-phrases in section 2

Revision date
2013-04-08

Signature
Qiang Li

Disclaimer
The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.