Material Safety Data Sheet

According to 91/155/EEC and ISO 11014-1

Printing date: 2016/03/01  Page:1/2

1. **Identification of substance and of the company**
   
   **Trade Name:** PIGMENT RED 188
   Hangzhou AiBai Chemical Co.,Ltd
   Room 2316, Building 17 Kaiyuan California Sunshine Plaza
   Xiaoshan Hangzhou China
   TEL: +86-571-22673158  FAX: +86-571-83885208

2. **Composition/Data on components**

   Substance: Pigment Red 188
   CAS No: 61847-48-1  EEC Symbol: None  R-Phrases: None

3. **Hazards identification**

   No hazardous effects known
   The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/584/EEC Or amendments

4. **First Aid measures**

   **After inhalation:** Supply fresh air.
   **After eye contact:** Flush with plenty of pressure water for 15 minutes, occasionally raising eye lids.
   **After skin contact:** Wash skin with mild soap and water.

5. **Fire fighting measures**

   **Suitable extinguishing media:** no restriction
   **Special hazards caused by the material, its combustion products or resultant gases:** none
   **Special personal protection equipment:** none

6. **Accidental release**

   **Environmental protection conduct:** Do not sweep or wash into public stretches of water, sewers or sites of unknown discharge paths.
   **After spillage/leakage/gas/ leakage:**
   Clean up immediately with wetting or absorbent material avoiding dusting.

7. **Handling and storage**

   **Handling:**
   Usual precautions for nuisance dust should be observed.
   **Protection against fire and explosion:**
   The product is non-flammable
   **Storage:**
   Store in roofed places at room temperature Keep containers tightly sealed.
   **Flammability Class:** nor applicable

8. **Exposure controls/personal protection**

   **Additional notes for design of plants equipment:**
   No further details, see sec7
   **Components with workplace-related limits to be monitored:**
<table>
<thead>
<tr>
<th>Designation</th>
<th>%</th>
<th>Type of data</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuisance dust</td>
<td>100</td>
<td>MAK</td>
<td>6 mg/m³</td>
</tr>
<tr>
<td>TLV/TWA(USA)</td>
<td></td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

   **Personal protection equipment:**
   **Respiratory protection:**
   An appropriate dust fixer has to be used if a breathable dust liberated.
## Trade name:
PIGMENT RED 188

### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance: Red powder</td>
<td>Odor: mild</td>
</tr>
<tr>
<td>Melting point: 320°C</td>
<td>Relative density: 1.43-1.45</td>
</tr>
<tr>
<td>Decomposition: None</td>
<td>Flammability: see handling section</td>
</tr>
<tr>
<td>Molecular formula: C₃₃H₂₄Cl₂N₄O₆</td>
<td>Molecular Weight: 643.47</td>
</tr>
<tr>
<td>Tinting strength: 95-105% of the standard</td>
<td>Volatile matter at 105°C: 2.5%max</td>
</tr>
<tr>
<td>Soluble matter in water: 1.5% max</td>
<td>Oil absorption: 40</td>
</tr>
<tr>
<td>Fastness to light: 7</td>
<td>Fastness to heat(℃): 200</td>
</tr>
<tr>
<td>Bleeding resistance water: 3-4</td>
<td>Bleeding resistance linseed oil: 5</td>
</tr>
<tr>
<td>Bleeding resistance acid: 3</td>
<td>Bleeding resistance alkalis:3</td>
</tr>
<tr>
<td>Bleeding resistance alcohol: 3</td>
<td>Bleeding resistance xylene:3</td>
</tr>
<tr>
<td>Bleeding resistance ethyl acetate: 3</td>
<td></td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

Hazardous decomposition products
No decomposition at proper storage and application conditions

### 11. Toxicological Information

Because of experience with product mentioned, there are no recognizable hazards for human beings, if it is correctly used and applied.

### 12. Ecological information

Avoid filtration into waste draining or soil.

### 13. Disposal considerations

Uses should acquaint themselves with local regulations.
Disposal is usually carried out by burying at an approved tip or by incineration by a licensed waste material processor; stack gases may need to be scrubbed (see section 5 above)

### 14. Transport information

No declaration for transport required.

### 15. Regulatory information

Classified according to the Directives 67/548/EEC, and their various amendments, and labeled as below:
Warning symbols: None
Warning words: None
Risk Phrases: None
Safety Phrases: None

### 16. Other information

Listed in EINECS and TSCA inventories.0
Intended uses: Paints.
References: 
- (1) Occupational Exposure Limits, EH/40(HSE)
- (2) Deutsche Forschungs gemeinschaft MAK- & BAT-Values.