Material Safety Data Sheet

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

Printing date: 2015/09/18 Page:1/2

1. Identification of substance and of the company

   Trade Name: PIGMENT VIOLET 1
   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 Violet 1
   CAS No: 1326-03-0 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 farther 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></td>
<td></td>
<td>TLV/TWA(USA)</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.
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<table>
<thead>
<tr>
<th>Trade name: PIGMENT VIOLET 1</th>
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</table>

### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance: violet powder</td>
<td></td>
</tr>
<tr>
<td>Odor: mild</td>
<td></td>
</tr>
<tr>
<td>Melting point:</td>
<td>Relative density: 1.7</td>
</tr>
<tr>
<td>Decomposition: None</td>
<td>Flammability: see 7 handling</td>
</tr>
<tr>
<td>Molecular formula: C₂₈H₃₃N₂O₃⁺</td>
<td>Molecular Weight: 443.36</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: ≤ 45</td>
</tr>
<tr>
<td>Fastness to light: 4</td>
<td>Fastness to heat(°C): 130</td>
</tr>
<tr>
<td>Bleeding resistance water: 4</td>
<td>Bleeding resistance linseed oil: 3</td>
</tr>
<tr>
<td>Bleeding resistance acid: 5</td>
<td>Bleeding resistance alkalis: 4-5</td>
</tr>
<tr>
<td>Bleeding resistance alcohol: 3</td>
<td>Bleeding resistance xylene: 5</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.
Intended uses: Paints.
References:
- (1) Occupational Exposure Limits, EH/40(HSE)
- (2) Deutsche Forschungs gemeinschaft MAK- & BAT-Values.