Hangzhou AiBai Chemical Co.,Ltd

Factory add: Yipeng Xiaoshan Hangzhou Tel: 86-571-22673158 Fax: 86-571-83735088 Web: www.xcolorpigment.com

Material Safety Data Sheet

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

Printing date: 2016/01/15

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1. Identification of substance and of the company

   Trade Name: PIGMENT YELLOW 73
   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 Yellow 73
   CAS No: 13515-40-7
   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: not applicable.

8. Exposure controls/personal protection

   Additional notes for design of plants equipment:
   No farther details, see sec 7
   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:</th>
<th>PIGMENT YELLOW 73</th>
</tr>
</thead>
</table>

9. **Physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>yellow powder</td>
</tr>
<tr>
<td>Odor</td>
<td>mild</td>
</tr>
<tr>
<td>Melting point</td>
<td>264-268°C</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.35-1.51</td>
</tr>
<tr>
<td>Decomposition</td>
<td>None</td>
</tr>
<tr>
<td>Flammability</td>
<td>see 6 handling</td>
</tr>
<tr>
<td>Molecular formula</td>
<td>C_{17}H_{15}ClN_{4}O_{5}</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>390.78</td>
</tr>
<tr>
<td>Tinting strength</td>
<td>95-105% of the standard</td>
</tr>
<tr>
<td>Volatile matter at 105°C</td>
<td>2.5% max</td>
</tr>
<tr>
<td>Soluble matter in water</td>
<td>1.5% max</td>
</tr>
<tr>
<td>Oil absorption</td>
<td>34-64%</td>
</tr>
<tr>
<td>Fastness to light</td>
<td>8</td>
</tr>
<tr>
<td>Fastness to heat (°C)</td>
<td>190</td>
</tr>
<tr>
<td>Bleeding resistance water</td>
<td>5</td>
</tr>
<tr>
<td>Bleeding resistance linseed oil</td>
<td>5</td>
</tr>
<tr>
<td>Bleeding resistance acid</td>
<td>5</td>
</tr>
<tr>
<td>Bleeding resistance alkalis</td>
<td>5</td>
</tr>
<tr>
<td>Bleeding resistance alcohol</td>
<td>5</td>
</tr>
<tr>
<td>Bleeding resistance xylene</td>
<td>4</td>
</tr>
<tr>
<td>Bleeding resistance ethyl acetate</td>
<td>4</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.