YELLOW IRON OXIDE

PACKAGING AND HANDLING
Material is packed in 25 kg capacity HDPE Bags. Handling is to be done carefully to avoid generation of dust.

TRANSPORTATION CLASSIFICATION
CAS: Number: 51274 - 00 - 1

MATERIAL SAFETY DATA
Given Overleaf

END USERS
In Paint and Pharma industries, colouring of cement (coloured concrete).

PROPERTIES:
Appearance: Yellow powder, Odorless
Solubility: Insoluble in water
Flash Point: Not flammable
Specific Gravity: (H₂O = 1): 4 – 4.15
Stability: Stable

SPECIFICATIONS
Average particle size: Less than 0.5
Volatile Matter %: 0.5 Max
Matter soluble in water: 0.3 Max
Oil absorption (PHR): 30-32
PH (10% extract): 4-5.5

INPUT
Leach liquor consist of ferrous chloride generated in ilmenite plant

OUTPUT
Yellow iron oxide

CHEMICAL NAME / FORMULA:
Hydrated Ferric Oxide / Fe₂O₃H₂O

FORMATION:
Fine particles of size less than 1 micron

INSTALL CAPACITY
450 TPA

INSTALLED CAPACITY
450 TPA

INPUT
Leach liquor consist of ferrous chloride generated in ilmenite plant

OUTPUT
Yellow iron oxide

PROPERTIES:
Appearance: Yellow iron oxide
Material is packed in 25 kg capacity HDPE Bags. Handling is to be done carefully to avoid generation of dust.

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CAS: Number: 51274 - 00 - 1

MATERIAL SAFETY DATA
Given Overleaf

END USERS
In Paint and Pharma industries, colouring of cement (coloured concrete).
<table>
<thead>
<tr>
<th><strong>NAME OF THE PRODUCT</strong></th>
<th>Yellow Iron Oxide (Iron Oxide - Yellow)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COMPOSITION / COMPONENTS</strong></td>
<td>Iron Oxide Pigments</td>
</tr>
<tr>
<td><strong>HAZARDS IDENTIFICATION</strong></td>
<td>Non Hazardous</td>
</tr>
<tr>
<td><strong>FIRST AID MEASURES</strong></td>
<td>EYE - Flush eyes with generous amounts of water for at least 15 minutes. SKIN - Wash skin with mild soap and water. INGESTION - Give large quantities of water to induce vomiting. Get medical aid.</td>
</tr>
<tr>
<td><strong>MEASURES FOR FIRE FIGHTING</strong></td>
<td>Not Flammable</td>
</tr>
<tr>
<td><strong>MEASURES IN CASE OF UNINTENTIONAL RELEASE</strong></td>
<td>Vacuum or use wet clean up techniques and place material in closed container. Avoid generating dusts. Wash thoroughly after handling and before eating and drinking.</td>
</tr>
<tr>
<td><strong>HANDLING AND STORAGE</strong></td>
<td>To be handled carefully avoiding spillages and creation of dust. Keep away from food products. Keep container closed when not in use. Use with adequate ventilation.</td>
</tr>
<tr>
<td><strong>EXPOSURE LIMIT AND STAFF PROTECTION EQUIPMENT</strong></td>
<td>Use goggles or glasses and rubber or leather gloves to avoid dusting.</td>
</tr>
<tr>
<td><strong>PHYSICAL &amp; CHEMICAL PROPERTIES</strong></td>
<td>Yellow powder without odour. Insoluble in water.</td>
</tr>
<tr>
<td><strong>STABILITY AND REACTIVITY</strong></td>
<td>Material is stable and incompatible with hydrazine calcium hypochlorite, performic acid and bromine pentafluoride.</td>
</tr>
<tr>
<td><strong>INFORMATION OF TOXICOLOGY</strong></td>
<td>Non-Toxic</td>
</tr>
<tr>
<td><strong>INFORMATION ABOUT WASTE DISPOSAL</strong></td>
<td>Not classified as hazardous waste. Hence no specific requirements for disposal. However, it must be in accordance with local regulations.</td>
</tr>
<tr>
<td><strong>INFORMATION ABOUT TRANSPORT</strong></td>
<td>No specific requirements. Transportable as general commodity in bags / containers.</td>
</tr>
<tr>
<td><strong>STATUTORY REGULATORY INFORMATION</strong></td>
<td>Shipping Name: Yellow Iron Oxide or Synthetic Yellow Iron Oxide.</td>
</tr>
<tr>
<td><strong>OTHER INFORMATION</strong></td>
<td>HS Classification No. 282110 CAS No. 51274 – 00 - 1</td>
</tr>
</tbody>
</table>