1. Substance/preparation and company Identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Chemical family: azo dyes
Synonyms: CI. Solvent Red 24, CI. 26105

2. Composition/Information on ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/%)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>45-83-6</td>
<td>&gt;= 93.0 &lt;= 98.0 %</td>
<td>SOLVENT RED 24</td>
</tr>
<tr>
<td>842-07-9</td>
<td>&gt;= 2.0 &lt;= 7.0 %</td>
<td>SOLVENT YELLOW 14</td>
</tr>
</tbody>
</table>

3. Hazard identification

Emergency overview
CAUTION: May cause sensitization by skin contact. Avoid inhalation of dusts. Use local exhaust ventilation. Wear a NIOSH-certified (or equivalent) particulate respirator. Wear NIOSH-certified chemical goggles. Wear protective clothing.

Primary routes of exposure
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquidated gases.

Repeated dose toxicity
No other known chronic effects.

4. First-aid measures

General advice:
Immediately remove contaminated clothing
5. Fire-fighting measures

Autoignition: No data available.

Suitable extinguishing media:
- Dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:
- Carbon dioxide

Additional information:
- Avoid inhaling the material/product because of the danger of dust explosion.
- Hazards during fire-fighting:
- Harmful vapours
- Evolution of flammable gases. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:
- Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
- Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6. Accidental release measures

Personal precautions:
- Avoid dust formation. Use personal protective clothing.
- Environmental precautions:
- Do not contaminate water sources. Do not discharge into drains/surface waters/groundwater.

Cleanup:
- Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.
7. Handling and storage

Handling:
General advice:
Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:
Avoid dust formation. Take precautionary measures against static discharges.

Storage:
General advice:
Keep container tightly closed and dry, store in a cool place.

8. Exposure controls and personal protection

Advice on system design:
Provide local exhaust ventilation to control dust.

Personal protective equipment
Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:
Chemical-resistant protective gloves

Eye protection:
Tightly fitting safety goggles (chemical goggles).

Body protection:
Impermeable protective clothing

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>powder</td>
</tr>
<tr>
<td>Colour</td>
<td>red</td>
</tr>
<tr>
<td>pH value</td>
<td>approx. 7</td>
</tr>
<tr>
<td>Melting range</td>
<td>150 - 160 °C</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>insoluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>+ 1 g/l (20 °C)</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Conditions to avoid:
Avoid moisture.

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
The product may contain explosive fine dust, such dust may be produced by abrasion during transport or product transfer.
Decomposition products: 
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
260 °C
Thermal decomposition above the indicated temperature is possible.

Corrosion to metals:
No corrosive effect on metal.

11. Toxicological information

Acute toxicity
Oral:
LD50 (rat) > 5,000 mg/kg

Skin irritation:
rabbit: non-irritant (Oraje test)

Eye irritation:
rabbit: non-irritant (Oraje test)

Sensitisation:
sensitizing

Chronic toxicity

Other information:
With azo dye there is a suspicion that the azo groups can be enzymatically cleaved in the body.
This substance can lead to the formation of another substance. The toxic properties of the subsequent product should be considered.

Information on: Ortho-Toluidine
Evidence for Genotoxicity in vitro available (Ames test positive).
Carcinogenic in animal tests after oral administration
During animal tests methemoglobin formation was observed.
Skin reaction hazard.

12. Ecological information

Environmental fate and transport

Biodegradation:
Evaluation: 
The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment pits.

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.
13. Disposal considerations

Waste disposal of substance:
- Incinerate in a licensed facility.
- Do not discharge substance/product into sewer system.
- Dispose of in a RCRA-licensed facility.
- Must be dumped or incinerated in accordance with local regulations.

Container disposal:
- Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.
- Dispose of in a licensed facility. Recommend coating, puncturing or other means to prevent unauthorized use of used containers.
- RCRA: NONE

14. Transport information

- Land transport
  - USDOT: Not classified as a dangerous good under transport regulations

- Sea transport
  - IMDG: Not classified as a dangerous good under transport regulations

- Air transport
  - IATA/CAO: Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations
- Registration status:
  - TSCA, US: released / listed
  - TSCA, CA: released / listed
- OSHA hazard category: Acute target organ effects reported, Sensitizer
- SARA hazard categories (EPCRA 311/312): Acute

16. Other information

HMIS III rating
- Health: 1
- Flammability: 1
- Physical hazard: 0
Sudan® M Red 380

Revision date: 2007/01/08
Version: 2.0

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