3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Synonyms</th>
<th>Direct Red 28</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Congo Red 4B</td>
</tr>
<tr>
<td></td>
<td>Cosmos Red</td>
</tr>
<tr>
<td></td>
<td>Cotton Red B</td>
</tr>
<tr>
<td></td>
<td>Direct Red R</td>
</tr>
<tr>
<td></td>
<td>Direct Red Y</td>
</tr>
<tr>
<td></td>
<td>Cotton Red C</td>
</tr>
</tbody>
</table>

| Formula | C_{42}H_{22}N_{6}S_{2}O_{3}Cl_{2} |
|         | 690.64 g/mol                      |

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>EC No.</th>
<th>Index No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>578-58-0</td>
<td>209-358-4</td>
<td>411-027-00-8</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of a dangerous area.

**If inhaled**
If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

**In case of skin contact**
Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**
Wear self-contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not allow product to enter drains. Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

**Precautions for safe handling**
Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Conditions for safe storage**
Keep container tightly closed in a dry and well-ventilated place.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Personal protective equipment

8.1.1. Respiratory protection

8.1.2. Eye protection

8.1.3. Skin protection

8.1.4. Other protective equipment

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance

9.2. Odour

9.3. Stability and reactivity

10. TOXICOLOGICAL INFORMATION

10.1. Acute toxicity

10.2. Hazardous decomposition products

10.3. Specific target organ toxicity - single exposure

10.4. Specific target organ toxicity - repeated exposure

10.5. Inhalation

10.6. Skin

10.7. Ingestion

10.8. Other routes of entry

11. REACTIVITY

12. REGULATORY INFORMATION

13. TRANSPORT INFORMATION

14. DISPOSAL CONSIDERATIONS

15. OTHER INFORMATION

16. ATTACHMENT (if applicable)
12. ECOLOGICAL INFORMATION

Toxicity
no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility In soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

Product
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service
to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator
equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION


DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION

OSH A Hazards
Irritant, Carcinogen, Taratogen

DSL Status
All components of this product are on the Canadian DSL list.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold
(limit) reporting levels established by SARA Title II, Section 313.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Disodium 3,3’-[[1,1’-biphenyl]-4,4’-dipyridyl(azo)]bis(4-aminophthalene-1-sulphonate)
CAS-No. 573-58-0
Revision Date 1989-12-01

New Jersey Right To Know Components
Disodium 3,3’-[[1,1’-biphenyl]-4,4’-dipyridyl(azo)]bis(4-aminophthalene-1-sulphonate)
CAS-No. 573-58-0
Revision Date 1989-12-01

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other
reproductive harm.

Further Information
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a
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