<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
<th>Personal Protective Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>See Section 15.</td>
</tr>
</tbody>
</table>

**Section 1. Chemical Product and Company Identification**

<table>
<thead>
<tr>
<th>Common Name/Trade Name</th>
<th>Catalog Number(s).</th>
<th>CAS#</th>
<th>RTECS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ponceau G, R, 2R</td>
<td>PO143</td>
<td>3761-53-3</td>
<td>QJ6825000</td>
<td>TSCA 8(b) inventory: Ponceau G, R, 2R</td>
</tr>
</tbody>
</table>

**Manufacturer**
SPECTRUM CHEMICAL MFG. CORP.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Commercial Name(s)**
- Acid Red 26; Acid Ponceau R; Acid Scarlet; Amacid Lake Scarlet 2R; Acidal Ponceau G; Brilliant Ponceau G; Calcoid Scarlet 2R; Edicol Ponceau RS; Edicol Supra Ponceau R; Fenazo Scarlet 2R; Hexacol Ponceau 2R; Hexacol Ponceau MX; Scarlet R; Xylidine Ponceau 2R; Scarlet R, 2R

**Synonym**
- 1-(2,4-Xylylazo)-2-naphthol-3,6-disulphonic acid, disodium salt
- 1-Xylylazo-2-naphthol-3,6-disulfonic acid, disodium salt
- 1-Xylylazo-2-naphthol-3,6-disulphonic acid, disodium salt
- 3-Hydroxy-4-(2,4-xylylazo)-3,7-naphthalenedisulfonic acid, disodium salt
- 3-Hydroxy-4-(2,4-xylylazo)-3,7-naphthalenedisulphonic acid, disodium salt
- 4-((2,4-Dimethylphenyl)azo)-3-hydroxy-2,7-naphthalenedisulfonic acid, disodium salt
- 4-((2,4-Dimethylphenyl)azo)-3-hydroxy-2,7-naphthalenedisulphonic acid, disodium salt
- Disodium (2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulfonate
- Disodium (2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulphonate
- Disodium salt of 1-(2,4-xylylazo)-2-naphthol-3,6-disulfonic acid
- Disodium salt of 1-(2,4-xylylazo)-2-naphthol-3,6-disulphonic acid

**Chemical Name**
2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-(2,4-xylylazo)-disodium salt

**Chemical Family**
Not available.

**Chemical Formula**
C18H14N2O7S2Na2

**Supplier**
SPECTRUM CHEMICAL MFG. CORP.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Material Safety Data Sheet**

**Section 15. Other Information**

**Material Safety Data Sheet**

**Section 1. Chemical Product and Company Identification**

**Common Name/Trade Name**
Ponceau G, R, 2R

**Catalog Number(s)**
PO143

**CAS#**
3761-53-3

**RTECS**
QJ6825000

**TSCA**
TSCA 8(b) inventory: Ponceau G, R, 2R

**Manufacturer**
SPECTRUM CHEMICAL MFG. CORP.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Commercial Name(s)**
- Acid Red 26; Acid Ponceau R; Acid Scarlet; Amacid Lake Scarlet 2R; Acidal Ponceau G; Brilliant Ponceau G; Calcoid Scarlet 2R; Edicol Ponceau RS; Edicol Supra Ponceau R; Fenazo Scarlet 2R; Hexacol Ponceau 2R; Hexacol Ponceau MX; Scarlet R; Xylidine Ponceau 2R; Scarlet R, 2R

**Synonym**
- 1-(2,4-Xylylazo)-2-naphthol-3,6-disulphonic acid, disodium salt
- 1-Xylylazo-2-naphthol-3,6-disulfonic acid, disodium salt
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- 4-((2,4-Dimethylphenyl)azo)-3-hydroxy-2,7-naphthalenedisulphonic acid, disodium salt
- Disodium (2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulfonate
- Disodium (2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulphonate
- Disodium salt of 1-(2,4-xylylazo)-2-naphthol-3,6-disulfonic acid
- Disodium salt of 1-(2,4-xylylazo)-2-naphthol-3,6-disulphonic acid

**Chemical Name**
2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-(2,4-xylylazo)-disodium salt

**Chemical Family**
Not available.

**Chemical Formula**
C18H14N2O7S2Na2

**Supplier**
SPECTRUM CHEMICAL MFG. CORP.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

IN CASE OF EMERGENCY
CHEMTREC (24hr) 800-424-9300

CALL (310) 516-8000

Continued on Next Page
Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Ponceau G, R, 2R</td>
<td>3761-53-3</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients

Ponceau G, R, 2R:
ORAL (LD50): Acute: 23160 mg/kg [Rat]. >6600 mg/kg [Mouse].

Section 3. Hazards Identification

Potential Acute Health Effects
Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC.
MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance may be toxic to liver.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4. First Aid Measures

Eye Contact
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact
Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Inhalation
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5. Fire and Explosion Data

Flammability of the Product
May be combustible at high temperature.

Auto-Ignition Temperature
Not available.

Flash Points
Not available.

Flammable Limits
Not available.

Products of Combustion
These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...). Some metallic oxides.

Fire Hazards in Presence of Various Substances
Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards
Material in powder form, capable of creating a dust explosion. As with most organic solids, fire is possible at elevated temperatures.

Continued on Next Page
Special Remarks on Explosion Hazards

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6. Accidental Release Measures

Small Spill
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Precautions
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection
Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits
Not available.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical state and appearance</th>
<th>Solid. (Powdered solid. Crystalline powder.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>480.43 g/mole</td>
</tr>
<tr>
<td>pH (1% soln/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Critical Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Volatility</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>Water/Oil Dist. Coeff.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Ionicity (in Water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Dispersion Properties</td>
<td>See solubility in water.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in cold water. Slightly soluble in ethanol.</td>
</tr>
</tbody>
</table>

Odor
Not available.

Taste
Not available.

Color
Red. (Dark.)

Continued on Next Page
Section 10. Stability and Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>The product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instability Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conditions of Instability</td>
<td>Excess heat, incompatible materials, dust generation</td>
</tr>
<tr>
<td>Incompatibility with various substances</td>
<td>Reactive with oxidizing agents.</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>Non-corrosive in presence of glass.</td>
</tr>
</tbody>
</table>

Special Remarks on Reactivity | Not available. |
Special Remarks on Corrosivity | Not available. |
Polymerization | Will not occur. |

Section 11. Toxicological Information

<table>
<thead>
<tr>
<th>Routes of Entry</th>
<th>Absorbed through skin. Inhalation. Ingestion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to Animals</td>
<td>Acute oral toxicity (LD50): &gt;6600 mg/kg [Mouse].</td>
</tr>
<tr>
<td>Chronic Effects on Humans</td>
<td>CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: liver.</td>
</tr>
<tr>
<td>Other Toxic Effects on Humans</td>
<td>Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.</td>
</tr>
</tbody>
</table>

Special Remarks on Toxicity to Animals | Not available. |
Special Remarks on Chronic Effects on Humans | May affect genetic material (mutagenic). May cause cancer based on animal test data. |
Special Remarks on other Toxic Effects on Humans | Acute Potential Health Effects: Skin: May cause skin irritation. It may be absorbed through the skin. Eyes: May cause eye irritation. Inhalation: Inhalation of dust may cause respiratory tract irritation. Ingestion: May cause digestive tract irritation. May affect behavior/central nervous system (muscle weakness, ataxia, convulsions). Chronic Potential Health Effects: Ingestion: Prolonged or repeated ingestion may affect the liver (liver damage, liver tumors), urinary system, spleen. Skin: Prolonged or repeated skin contact may cause sensitization and dermatitis. |

Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOD5 and COD</td>
<td>Not available.</td>
</tr>
<tr>
<td>Products of Biodegradation</td>
<td>Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.</td>
</tr>
<tr>
<td>Toxicity of the Products of Biodegradation</td>
<td>The product itself and its products of degradation are not toxic.</td>
</tr>
</tbody>
</table>

Special Remarks on the Products of Biodegradation | Not available. |
Section 13. Disposal Considerations

Waste Disposal
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

DOT Classification
Not a DOT controlled material (United States).

Identification
Not applicable.

Special Provisions for Transport
Not applicable.

DOT (Pictograms)

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Ponceau G, R, 2R
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ponceau G, R, 2R
Pennsylvania RTK: Ponceau G, R, 2R
Minnesota: Ponceau G, R, 2R
Massachusetts RTK: Ponceau G, R, 2R
New Jersey: Ponceau G, R, 2R
California Director's List of Hazardous Substances: Ponceau G, R, 2R
TSCA 8(b) inventory: Ponceau G, R, 2R
SARA 313 toxic chemical notification and release reporting: Ponceau G, R, 2R

California Proposition 65
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ponceau G, R, 2R

Other Regulations
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 223-178-3).
Canada: Listed on Canadian Domestic Substance List (DSL).
China: Listed on National Inventory.
Japan: Listed on National Inventory (ENCS).
Korea: Not listed on National Inventory (KECI).
Philippines: Not listed on National Inventory (PICCS).
Australia: Listed on AICS.

Other Classifications
WHMIS (Canada) CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
R68: Possible risk of irreversible effects.
S2- Keep out of the reach of children.
S36/37- Wear suitable protective clothing and gloves.

HMIS (U.S.A.)

Health Hazard 2
Fire Hazard 1
Reactivity 0
Personal Protection E

Continued on Next Page
Protective Equipment

- Gloves.
- Lab coat.
- Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Splash goggles.

Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>P4020</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
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</tr>
<tr>
<td>Other Special Considerations</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Validated by Sonia Owen on 10/6/2010.  
Verified by Sonia Owen.  

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user’s responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.