



GARDENA, CA  
NEW BRUNSWICK, NJ



# Material Safety Data Sheet

|                 |   |                                      |   |             |   |            |   |  |
|-----------------|---|--------------------------------------|---|-------------|---|------------|---|--|
| <b>NFPA</b>     | <b>HMIS</b>   | <b>Personal Protective Equipment</b> |   |             |   |            |   |  |
|                 | <table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Fire Hazard</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> </table> | Health Hazard                        | 2 | Fire Hazard | 0 | Reactivity | 0 |  |
| Health Hazard   | 2   |                                      |   |             |   |            |   |  |
| Fire Hazard     | 0   |                                      |   |             |   |            |   |  |
| Reactivity      | 0   |                                      |   |             |   |            |   |  |
| See Section 15. |   |                                      |   |             |   |            |   |  |

| <b>Section 1. Chemical Product and Company Identification</b> |  | <b>Page Number: 1</b>   |
|---|--|---|
| <b>Common Name/<br/>Trade Name</b>                            | <b>Chromium potassium sulfate</b>  | <b>Catalog Number(s).</b> NC-6325, NC-9435  |
| <b>Manufacturer</b>   | SPECTRUM CHEMICAL MFG. CORP.<br>14422 S. SAN PEDRO STREET<br>GARDENA, CA 90248 | <b>CAS#</b> 7788-99-0   |
| <b>Commercial Name(s)</b>                                     | Not available.   | <b>RTECS</b> GB6850000  |
| <b>Synonym</b>  | Not available.   | <b>TSCA</b> TSCA 8(b) inventory: No products were found.                                      |
| <b>Chemical Name</b>  |  | <b>CI#</b> Not available.   |
| <b>Chemical Family</b>  | Not available.   | <b>IN CASE OF EMERGENCY</b><br><b>CHEMTREC (24hr) 800-424-9300</b><br><br>CALL (310) 516-8000 |
| <b>Chemical Formula</b>                                       | CrK(SO4)2.12H2O  |   |
| <b>Supplier</b>   | THE SCIENCE COMPANY<br>95 LINCOLN ST<br>DENVER, CO 80203                       |   |
|   |  |   |

| <b>Section 2. Composition and Information on Ingredients</b> |   |                          |                           |                           |             |
|--|---|--------------------------|---------------------------|---------------------------|-------------|
| Name   | CAS #   | <i>Exposure Limits</i>   |                           |                           | % by Weight |
|  |   | TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) | CEIL (mg/m <sup>3</sup> ) |             |
| 1) Chromium potassium sulfate                                | 7788-99-0   | 0.5                      |                           |                           | 100         |
| <b>Toxicological Data on Ingredients</b>                     | <b>Chromium potassium sulfate</b><br>LD50: Not available.<br>LC50: Not available. |                          |                           |                           |             |

| <b>Section 3. Hazards Identification</b> |  |
|--|--|
| <b>Potential Acute Health Effects</b>    | Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.   |
| <b>Potential Chronic Health Effects</b>  | Very hazardous in case of eye contact (irritant), of ingestion, of inhalation.<br>Hazardous in case of skin contact (irritant).<br><b>CARCINOGENIC EFFECTS:</b> Not available.<br><b>MUTAGENIC EFFECTS:</b> Not available.<br><b>TERATOGENIC EFFECTS:</b> Not available.<br><b>DEVELOPMENTAL TOXICITY:</b> Not available.<br>The substance is toxic to lungs, mucous membranes.<br>Repeated or prolonged exposure to the substance can produce target organs damage. |

**Continued on Next Page**

**Chromium potassium sulfate**

Page Number: 2

**Section 4. First Aid Measures**

|                             |   |
|-----------------------------|---|
| <b>Eye Contact</b>          | Check and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.   |
| <b>Skin Contact</b>         | After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. |
| <b>Serious Skin Contact</b> | Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.   |
| <b>Inhalation</b>           | Allow the victim to rest in a well ventilated area. Seek immediate medical attention.   |
| <b>Serious Inhalation</b>   | Not available.  |
| <b>Ingestion</b>            | Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.   |
| <b>Serious Ingestion</b>    | Not available.  |

**Section 5. Fire and Explosion Data**

|  |   |
|--|---|
| <b>Flammability of the Product</b>                         | Non-flammable.  |
| <b>Auto-Ignition Temperature</b>                           | Not applicable.   |
| <b>Flash Points</b>  | Not applicable.   |
| <b>Flammable Limits</b>                                    | Not applicable.   |
| <b>Products of Combustion</b>                              | Not available.  |
| <b>Fire Hazards in Presence of Various Substances</b>      | Not applicable.   |
| <b>Explosion Hazards in Presence of Various Substances</b> | Risks of explosion of the product in presence of mechanical impact: Not available.<br>Risks of explosion of the product in presence of static discharge: Not available. |
| <b>Fire Fighting Media and Instructions</b>                | Not applicable.   |
| <b>Special Remarks on Fire Hazards</b>                     | Not available.  |
| <b>Special Remarks on Explosion Hazards</b>                | Not available.  |

**Section 6. Accidental Release Measures**

|                    |   |
|--------------------|---|
| <b>Small Spill</b> | 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.  |
| <b>Large Spill</b> | 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. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities. |

Continued on Next Page

**Chromium potassium sulfate**

Page Number: 3

**Section 7. Handling and Storage**

|                    |   |
|--------------------|---|
| <b>Precautions</b> | Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.   |
| <b>Storage</b>     | No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded. |

**Section 8. Exposure Controls/Personal Protection**

|   |   |
|---|---|
| <b>Engineering Controls</b>                         | 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. |
| <b>Personal Protection</b>                          | Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.   |
| <b>Personal Protection in Case of a Large Spill</b> | 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.                    |
| <b>Exposure Limits</b>                              | TWA: 0.5 (mg/m <sup>3</sup> )<br><br>Consult local authorities for acceptable exposure limits.  |

**Section 9. Physical and Chemical Properties**

|                                      |                              |              |                |
|--------------------------------------|------------------------------|--------------|----------------|
| <b>Physical state and appearance</b> | Solid.                       | <b>Odor</b>  | Not available. |
| <b>Molecular Weight</b>              | 499.4 g/mole                 | <b>Taste</b> | Not available. |
| <b>pH (1% soln/water)</b>            | Not available.               | <b>Color</b> | Not available. |
| <b>Boiling Point</b>                 | Decomposes. (400°C or 752°F) |              |                |
| <b>Melting Point</b>                 | 89°C (192.2°F)               |              |                |
| <b>Critical Temperature</b>          | Not available.               |              |                |
| <b>Specific Gravity</b>              | 1.826 (Water = 1)            |              |                |
| <b>Vapor Pressure</b>                | Not applicable.              |              |                |
| <b>Vapor Density</b>                 | Not available.               |              |                |
| <b>Volatility</b>                    | Not available.               |              |                |
| <b>Odor Threshold</b>                | Not available.               |              |                |
| <b>Water/Oil Dist. Coeff.</b>        | Not available.               |              |                |
| <b>Ionicity (in Water)</b>           | Not available.               |              |                |
| <b>Dispersion Properties</b>         | See solubility in water.     |              |                |
| <b>Solubility</b>                    | Soluble in cold water.       |              |                |

**Section 10. Stability and Reactivity Data**

|  |                                     |
|--|-------------------------------------|
| <b>Stability</b>                               | The product is stable.              |
| <b>Instability Temperature</b>                 | Not available.                      |
| <b>Conditions of Instability</b>               | Not available.                      |
| <b>Incompatibility with various substances</b> | Not available.                      |
| <b>Corrosivity</b>                             | Non-corrosive in presence of glass. |

**Continued on Next Page**

**Special Remarks on Reactivity** Not available.

**Special Remarks on Corrosivity** Not available.

**Polymerization** No.

**Section 11. Toxicological Information**

**Routes of Entry** Eye contact. Inhalation. Ingestion.

**Toxicity to Animals** LD50: Not available.  
LC50: Not available.

**Chronic Effects on Humans** The substance is toxic to lungs, mucous membranes.

**Other Toxic Effects on Humans** Very hazardous in case of ingestion, of inhalation.  
Hazardous in case of skin contact (irritant).

**Special Remarks on Toxicity to Animals** Not available.

**Special Remarks on Chronic Effects on Humans** Not available.

**Special Remarks on other Toxic Effects on Humans** Not available.

**Section 12. Ecological Information**

**Ecotoxicity** Not available.

**BOD5 and COD** Not available.

**Products of Biodegradation** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation** The products of degradation are more toxic.

**Special Remarks on the Products of Biodegradation** Not available.

**Section 13. Disposal Considerations**

**Waste Disposal**

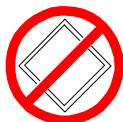
**Section 14. Transport Information**

**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**

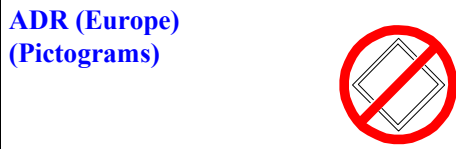
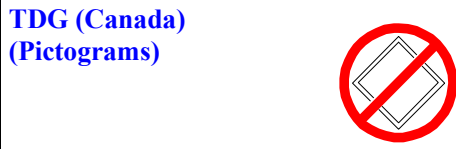
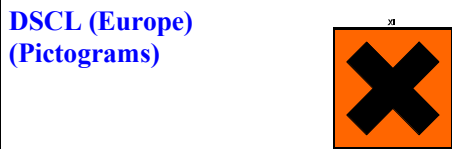
**Federal and State Regulations** TSCA 8(b) inventory: No products were found.





**California Proposition 65 Warnings**

**Other Regulations** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

|                              |                       |  |
|------------------------------|-----------------------|--|
| <b>Other Classifications</b> | <b>WHMIS (Canada)</b> | CLASS D-2A: Material causing other toxic effects (VERY TOXIC).   |
|                              | <b>DSCL (EEC)</b>     | R38- Irritating to skin.<br>R41- Risk of serious damage to eyes. |

|                      |                            |   |  |               |   |                     |                   |
|----------------------|----------------------------|---|--|---------------|---|---------------------|-------------------|
| <b>HMIS (U.S.A.)</b> | <b>Health Hazard</b>       | 2 | <b>National Fire Protection Association (U.S.A.)</b> | <b>Health</b> |  | <b>Flammability</b> |                   |
|                      | <b>Fire Hazard</b>         | 0 |  |               |   |                     | <b>Reactivity</b> |
|                      | <b>Reactivity</b>          | 0 |  |               |   |                     |                   |
|                      | <b>Personal Protection</b> | E |  |               |   |                     |                   |



- Protective Equipment**
-  Gloves.
  -  Lab coat.
  -  Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
  -  Splash goggles.

**Section 16. Other Information****MSDS Code** C4261**References** Not available.**Other Special Considerations** Not available.

Validated by Sonia Owen on 8/11/2006.

Verified by Sonia Owen.

Printed 9/11/2006.

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.*