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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Chromium Picolinate

Synonyms: 2-pyridinecarboxylic acid, chromium salt

Chemical Abstracts Registry No: 14639-25-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Nutritional Supplement

1.3. Details of the supplier of the safety data sheet

Vertellus LLC
201 North Illinois Street, Suite 1800
Indianapolis, Indiana 46204 USA
1-800-223-0453

e-mail Address: sds@vertellus.com

1.4. Emergency telephone number

CHEMTREC (USA): +1-800-424-9300 (collect calls accepted)
CHEMTREC (International): +1-703-527-3887 (collect calls accepted)
NRCC (China): +86 532 83889090

SECTION 2: Hazards identification


Not Classified as Hazardous

2.2. Label elements

Signal Word: Not required.

Hazard Precautions: Not Classified as Hazardous

Prevention Precautionary Statements: Note: These precautionary statements are not prescribed by directive 1272/2008 as this product is not classified as hazardous under this directive. Wash hands thoroughly after handling with soap and water. Wear protective gloves, protective clothing, eye protection and face protection. If swallowed, in eyes, on skin or inhaled call a poison center or doctor/physician if you feel unwell. If inhaled, remove victim to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.1. Substances or 3.2. Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Concentration (weight %)</th>
<th>EC Number</th>
<th>CLP Inventory/Annex VI</th>
<th>EU CLP Classification (1272/2008)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium Picolinate</td>
<td>14639-25-9</td>
<td>~ 100</td>
<td>Not listed.</td>
<td>Not listed.</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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NOTE: See Section 8 for exposure limit data for these ingredients. See Section 15 for trade secret information (where applicable). See Section 16 for the full text of the R-phrases above.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin Contact: Wash skin with soap and water. Get medical attention if irritation develops or persists.

Eye Contact: Flush eyes with water for at least 15 minutes; if irritation occurs seek medical attention.

Inhalation: Remove from exposure. If not breathing, give artificial respiration and call a physician.

Ingestion: If swallowed, contact physician or poison control center immediately. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Acute: May cause gastrointestinal tract irritation with nausea and vomiting. May be irritating to eyes. Contact with this material may cause skin irritation.

Delayed Effects: None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific indications. Treatment should be based on the judgment of the physician in response to the reactions of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing Media: Foam, carbon dioxide, dry chemical, water fog

5.2. Special hazards arising from the substance or mixture

Hazardous Products of Combustion: Dense smoke

Potential for Dust Explosion: No data available -- handle in a manner that prevents generation of potentially explosive dust.

Special Flammability Hazards: Not applicable.

5.3. Advice for firefighters

Basic Fire Fighting Guidance: Wear self-contained breathing apparatus and full protective clothing (i.e., Bunker gear). Skin and eye contact should be avoided. Normal firefighting procedures may be used.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures: Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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Special Instructions: See Section 8 for personal protective equipment recommendations. Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2. Environmental precautions

Prevent releases to soils, drains, sewers and waterways.

6.3. Methods and material for containment and cleaning up

Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid creating dusts. Eliminate ignition sources. If a vacuum is used, ensure that the material is wetted or otherwise treated so an explosive dust atmosphere is not created within the vacuum.

6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for Unique Hazards: Not applicable.
Practices to Minimize Risk: Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material. Do not eat, drink or smoke in work areas. Prevent contact with incompatible materials. Avoid spills and keep away from drains. Handle in a manner to prevent generation of aerosols, vapors or dust clouds.

Special Handling Equipment: Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Storage Precautions & Recommendations: Store in a cool dry place. Keep container closed when not in use.
Dangerous Incompatibility Reactions: Avoid contact with strong acids and oxidizing agents.
Incompatibilities with Materials of Construction: None known

7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limit: Not established
Air Monitoring Method: Not applicable

8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

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Other Engineering Controls: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided. Use process enclosures to control the level of dust in the air.

Personal Protective Equipment: Goggles or glasses with side shields. Wear impervious gloves made of nitrile, neoprene or latex. Where overexposures are a concern, use NIOSH-approved dust/mist respirator as necessary.


Thermal Hazards: Not applicable.

Environmental Exposure Controls: The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, State &amp; Odor</td>
<td>Crystalline solid with mild odor</td>
</tr>
<tr>
<td>Molecular Formula:</td>
<td>C_{18}H_{12}CrN_{3}O_{6}</td>
</tr>
<tr>
<td>Molecular Weight:</td>
<td>418.3</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>0.00083625 mm Hg @ 25°C</td>
</tr>
<tr>
<td>Specific Gravity or Density:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>292 °C @ 760 mm Hg</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Slightly soluble</td>
</tr>
<tr>
<td>pH:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point and Method:</td>
<td>267°F (130.7 °C)</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Explosive Properties:</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Autoignition Temperature:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammable Limits:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Oxidizing Properties:</td>
<td>Not an oxidizer</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity
Not classified as dangerously reactive.

10.2. Chemical stability
Stable

10.3. Possibility of hazardous reactions
Polymerization is not expected to occur

10.4. Conditions to avoid
Avoid static discharge and generation of dust.

10.5. Incompatible materials
Avoid contact with strong acids and oxidizing agents.

10.6. Hazardous decomposition products
Products from combustion may include dense smoke, irritating and toxic fumes and vapors.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Oral LD$_{50}$: No data available.
Acute Dermal LD$_{50}$: No data available.
Acute Inhalation LC$_{50}$: No data available.
Skin Irritation: No data available.
Eye Irritation: No data available.
Skin Sensitization: No data available.
Mutagenicity: No data available.
Reproductive / Developmental Toxicity: No data available.
Carcinogenicity: This material is not listed by IARC, NTP or OSHA as a carcinogen. No test data is available that indicates this material is a carcinogen.
Target Organs: No data available.
Aspiration Hazard: Solid - not applicable.

Primary Route(s) of Exposure: Skin contact and absorption, eye contact, and inhalation. Ingestion is not likely to be a primary route of exposure.

Most important symptoms and effects, both acute and delayed: May be irritating to eyes. Contact with this material may cause skin irritation. Delayed Effects: None known.
Additive or Synergistic effects: None known.

SECTION 12: Ecological information

12.1. Toxicity: No data available.
12.2. Persistence and degradability: No data available.
12.3. Bioaccumulative potential: No data available.
12.4. Mobility in soil: No data available.
12.5. Results of PBT and vPvB assessment: No data available.
12.6. Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number: Non-Hazardous
Waste Classification: (per US regulations) The waste may be classified as "special" or hazardous per State regulations.

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Waste Disposal: 
NOTE: Generator is responsible for proper waste characterization. State hazardous waste regulations may differ substantially from federal regulations. Dispose of this material responsibly, and in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws, and environmental protection duty of care principles. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate classification code according to the European Community List of Wastes should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

SECTION 14: Transport information

The following information applies to all shipping modes (DOT/IATA/ICAO/IMDG/ADR/RID/ADN), unless otherwise indicated:

14.1. UN number: Non-Hazardous  
14.2. UN proper shipping name: Chemicals, n.o.s. (Chromium Picolinate)  
14.3. Transport hazard class(es): Non-Hazardous  
14.4. Packing group: Non-Hazardous  
14.5. Environmental hazards: Not applicable  
14.6. Special precautions for user: No data available.  
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Inventory Lists:  
USA TSCA: Not listed.  
Canada(DSL/NDSL): Not listed.  
Korea: Not listed.  
China: Not listed.  
Taiwan: Not listed.  
German Water Hazard Classification: Not applicable  
SARA 313: Not listed.  
Reportable Quantities: Not applicable  
State Regulations: Not applicable.  
New Jersey Trade Secret Information: Not applicable  
HMIS IV:  
   HEALTH: 1  
   FLAMMABILITY: 1  
   PHYSICAL HAZARD: 0

NFPA:  
   1 1 0

15.2. Chemical safety assessment
A chemical safety assessment is not required as this substance is not classified as hazardous.

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SECTION 16: Other information

Classification Method: Expert judgment

Legend of Abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists.
CAS = Chemical Abstracts Service.
DSDL/NDSL = Domestic Substances List/Non-Domestic Substances List.
EC = European Community.
EINECS = European Inventory of Existing Commercial Chemical Substances.
ELINCS = European List of Notified Chemical Substances.
EU = European Union.
GHS = Globally Harmonized System.
LC = Lethal Concentration.
LD = Lethal Dose.
NIOSH = National Institute of Occupational Safety and Health.
NTP = National Toxicology Program.
OSHA = Occupational Safety and Health Administration
PEL = Permissible Exposure Limit.
RQ = Reportable Quantity.
TLV = Threshold Limit Value.
WHMIS = Workplace Hazardous Materials Information System.

Important Note: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. The information contained herein may change without prior notice. THIS SAFETY DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS.

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Revision Details: Revised all sections to GHS format
Original Date of Issue: 09 August 2005
Email: SDS@Vertellus.com

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