

## SAFETY DATA SHEET

### 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

**2.1. Classification of the substance or mixture** (According to Regulation (EC) No 1272/2008, 29 CFR 1910.1200 and the Globally Harmonized System)

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**

Ingredient	CAS Number	Concentration (weight %)	EC Number	CLP Inventory/Annex VI	EU CLP Classification (1272/2008)
Chromium Picolinate	14639-25-9	~ 100	Not listed.	Not listed.	Not classified

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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.
Respirator Caution:	Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.
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

Appearance, State & Odor (ambient temperature):	Crystalline solid with mild odor		
Molecular Formula:	C <sub>18</sub> H <sub>12</sub> CrN <sub>3</sub> O <sub>6</sub>	Molecular Weight:	418.3
Vapor Pressure:	0.00083625 mm Hg @ 25°C	Evaporation Rate:	No data available.
Specific Gravity or Density:	No data available.	Vapor Density (air = 1):	No data available.
Boiling Point:	292 °C @ 760 mm Hg	Freezing / Melting Point:	No data available.
Solubility in Water:	Slightly soluble	Octanol / Water Coefficient:	No data available.
pH:	No data available.	Odor Threshold:	No data available.
Viscosity:	Not applicable	Autoignition Temperature:	No data available.
Flash Point and Method:	267°F (130.7 °C)	Flammable Limits:	No data available.
Flammability (solid, gas):	Not flammable	Decomposition Temperature:	No data available.
Explosive Properties:	Not explosive	Oxidizing Properties:	Not an oxidizer

### SECTION 10: Stability and reactivity

<u>10.1. Reactivity</u>	Not classified as dangerously reactive.
<u>10.2. Chemical stability</u>	Stable
<u>10.3. Possibility of hazardous reactions</u>	Polymerization is not expected to occur
<u>10.4. Conditions to avoid</u>	Avoid static discharge and generation of dust.
<u>10.5. Incompatible materials</u>	Avoid contact with strong acids and oxidizing agents.
<u>10.6. Hazardous decomposition products</u>	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 <sub>50</sub> :	No data available.
Acute Dermal LD <sub>50</sub> :	No data available.
Acute Inhalation LC <sub>50</sub> :	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

<u>12.1. Toxicity</u>	No data available.
<u>12.2. Persistence and degradability</u>	No data available
<u>12.3. Bioaccumulative potential</u>	No data available
<u>12.4. Mobility in soil</u>	No data available
<u>12.5. Results of PBT and vPvB assessment</u>	No data available.
<u>12.6. Other adverse effects</u>	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.		
NA Emergency Guidebook Numbers:	Not applicable	IMDG EMS:	Not applicable
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**

<b>Chemical Inventory Lists:</b>	<b>Status:</b>		
USA TSCA:	Not listed.	EINECS:	Not listed.
Canada(DSL/NDSL):	Not listed.	Japan:	Not listed.
Korea:	Not listed.	Australia:	Not listed.
China:	Not listed.	Philippines:	Not listed.
Taiwan:	Not listed.	New Zealand:	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:		NFPA:	

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	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.*

*CFR = Code of Federal Regulations.*

*DSL/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.*

*NFPA = National Fire Protection Association.*

*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.*

*SARA = Superfund Amendments and Reauthorization Act of 1986.*

*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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