



*Resonance Specialties Limited*

---

## MATERIAL SAFETY DATA SHEET

### Chromium Polynicotinate MSDS

#### 1. IDENTIFICATION :

**Product Name:** Chromium Polynicotinate

**CAS# :** 59-67-6

**RTECS :** Not available.

**TSCA :** TSCA 8(b) inventory: No products were found.

**CI# :** Not available.

**Synonym:** Tris(3-pyridinecarboxylato-N<sup>1</sup>, O<sup>2</sup>)

Chromium, Chromium

Nicotinate

**Therapeutic Category :** Nutritional supplement

**Contact Information:**

**Avignon Exim Pvt Ltd**

26 A Narayan Properties

Off. Saki Vihar Road,

Chandivali, Andheri (East)

Mumbai – 400 072, India

Tel : 91 22 2847 0811

#### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Entity	Cas No.	Proportions (%)
Chromium Polynicotinate		100

### 3. HAZARDS IDENTIFICATION

**Potential Acute Health Effects:**

Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator).

**Potential Chronic Health Effects:**

**CARCINOGENIC EFFECTS:** Not available.

**MUTAGENIC EFFECTS:** Not available.

**TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

### 4. FIRST AID MEASURES

**Eye Contact:**

Check for 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.

**Skin Contact:**

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. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

**Inhalation:**

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**

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.

### 5. FIRE FIGHTING MEASURES

**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:** Some metallic oxides.

**Fire Hazards in Presence of Various Substances:** Not available.

**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:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## 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.

## 7. HANDLING AND STORAGE

**Precautions:**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. 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.

**Storage:**

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

## 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:**

Splash goggles. 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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Description</b>	Solid
<b>Formula</b>	$\text{Cr}(\text{NC}_5\text{H}_4\text{COO})_2(\text{OH})\cdot 3\text{H}_2\text{O}$
<b>Molecular Weight</b>	331.22 g/mole
<b>Odour</b>	Not available
<b>Vapor Pressure</b>	Not applicable
<b>Volatility</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Decomposes
<b>Critical Temperature</b>	Not available
<b>pH (1% soln/water)</b>	Not available
<b>Specific Gravity</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>	Not available
<b>Solubility</b>	Not available

**10. STABILITY AND REACTIVITY**

<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.
<b>Special Remarks on Reactivity</b>	Not available.
<b>Special Remarks on Corrosivity</b>	Not available.
<b>Polymerization</b>	No.

## 11. TOXICOLOGICAL INFORMATION

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

**Toxicity to Animals:**

LD50: Not available.

LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:**

- ⇒ Very hazardous in case of ingestion.
- ⇒ Hazardous in case of skin contact (irritant), of inhalation.
- ⇒ Slightly hazardous in case of skin contact (permeator).

**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.

## 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.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal state and local regulation.

## 14. TRANSPORTATION INFORMATION

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
Shipping Name	NA	NA	NA
Hazard class	NA	NA	NA
UN Number	NA	NA	NA
Packing Group	NA	NA	NA

Is Non Hazardous and can be transported in passenger and cargo airline

## 15. REGULATORY INFORMATION

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

**Other Regulations:** Not available..

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):** R36/38- Irritating to eyes and skin.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 2

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

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

## 16. ADDITIONAL INFORMATION

**MSDS Creation**      **Date:** 07/18/1996

**MSDS Revision**     **Date:** 08/18/2007

The information above is believed to be accurate and represents the best information currently available to us. However we take no warranty of merchantability or any other warranty express or implied with respect to such information and we assume no liability resulting from the use Users should make the own investigation to determine the suitability of information for there particular purposes. In no way shall be company be liable for any claim losses or damages of any third party of for lost profit or a special indirect incidental consequential or exemplary damages howsoever arising. Even if the company has been advised of the possibility of such damages.