



Resonance Specialties Limited

MATERIAL SAFETY DATA SHEET

Chromium Picolinate MSDS

1. IDENTIFICATION :

Product Name: Chromium Picolinate

CAS# : 14639-25-9

RTECS : Not available.

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

CI# : Not available.

Synonym: Chromium Tripicolinate,
Picolinic Acid Chromium Salt

Therapeutic Category : Nutritional supplement

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Entity	Cas No.	Proportions (%)
Chromium Picolinate	14639-25-9	100

3. HAZARDS IDENTIFICATION

NOT Hazardous according to criteria of NOHSC

EMERGENCY OVERVIEW

It presents little or no health hazard and no unusual hazard if involved in a fire.

POTENTIAL HEALTH EFFECTS :

- Skin :** May cause skin irritation
- Usual Adult Dose:** The normal daily recommended intake for chromium is 50 to 200 micrograms.
- Adverse Effects :** Adverse effects may include nausea, loose stools, constipation, and change in appetite. Dizziness, chest pain, flushed skin, headache, and agitation have also occurred. Possible allergic reaction to material if inhaled, ingested or in contact with skin.
- Overdose Effects:** Chronic overdose of chromium picolinate may cause blood disorders, kidney failure, and inability to concentrate.
- Acute:** Possible eye, skin, gastrointestinal and/or respiratory Tract irritation.
- Chronic:** Possible hypersensitization.
- Inhalation:** May cause irritation. Remove to fresh air.
- Eye:** May cause irritation. Flush with copious quantities of water.
- Skin:** May cause irritation. Flush with copious quantities of water.

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

Flash Point Non Combustible

Flammable Limits Non Combustible

Extinguishing Media

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use media that is appropriate to treat surrounding fire. it presents no health hazard and no unusual hazard, if involved in a fire.

Hazards from Combustion Products

Non combustible. Not considered to be fire hazard. Stable under ordinary conditions of use of storage, under normal temperature and pressure. May emit toxic gases upon thermal decomposition. Hazardous Polymerisation will not occur. Keep away from incompatibles such as strong acids and bases.

Special Fire Fighting Procedures

Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire – fighting turn-out gear.

Flammability Conditions

Stable under ordinary conditions of use of storage, under normal temperature and pressure

6. ACCIDENTAL RELEASE MEASURES**Small Spill**

Sweep up material for disposal or recovery.

Large Spill

Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

7. HANDLING AND STORAGE

Handling

Wash thoroughly after handling contaminated clothing and wash before use. Avoid contact with eyes, skin and clothing Avoid ingestion and inhalation

Storage

Store in a cool, dry place Keep contained closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eyes

Wear safety glasses and chemical goggles if splashing is possible

Skin

Wear appropriate protective gloves to prevent skin exposure.

Clothing

Wear appropriate protective clothing to minimize contact with skin.

Respirators

Wear NIOSH/ MSHA or European Standard EN 149 approved full facepiece airline respirator in the positive pressure mode with emergency escape provision

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Red to Pink coloured powder
Formula	$(C_6H_4NO_2)_3 Cr$
Molecular Weight	418.31
Odour	Not available
Vapor Pressure	Not applicable
Viscosity	Not available
Boiling Point	Not available
Melting Point	Not available
Autoignition Temperature	Not available
Flash Point	Not available
Explosion Limites, Lower	Not available
Explosion Limites, Upper	Not available
Solubility	insoluble in water and ethanol

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal temperatures and pressures
Condition to avoid	Incompatible material
Incompatibilities with other materials	Oxidizing agents, reducing Agents, acids, Base
Hazardous Decomposition Products	Nitrogen oxides, carbon Monoxide carbon dioxide
Hazardous Polymerization	Has not been reported

11. TOXICOLOGICAL INFORMATION

LD50 (Oral Maurine) Greater than 2 gm/kg

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION

	IATA	IMO	RID/ADR
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

European / International Regulation

European Labelling in Accordance with EC Directives Hazards symbols : XN

RBK Phrases :

⇒ R 22 Harmful if swallowed

⇒ R 36/37/38, Irritating to Eyes, respiratory system and skin

Safety Phrases

⇒ S 24/25 Avoid Contact with skin and eyes

⇒ S 33 Take precautionary measures against static discharges.

WGK (Water danger / Protection)

United Kingdom occupational exposure limits

Canada

(AS Chromium picolinate is listed on Canada's DSL list

(As Chromium picolinate is not listed on Canada's ingredient Disclosure list

Exposure limit.

US federal

TSCA

CAS Chromium Picolinate is listed on the USCA inventory

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 their particular purposes. In no way shall be company be liable for any claim losses or damages of any third party or 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.