

E-mail : [jp2@vsnl.com](mailto:jp2@vsnl.com)/ [bimalpha@mtnl.net.in](mailto:bimalpha@mtnl.net.in)  
MSN ID : [bimal\\_pharma@hotmail.com](mailto:bimal_pharma@hotmail.com)  
Gram : NIACIN, Mumbai – 400 097

Phones: (0091) (22) 2877 60 31  
(0091) (22) 2877 66 39  
(0091) (22) 2877 85 63  
(0091) (22) 2877 51 66  
Fax : (0091) (22) 2877 57 55



## **BIMAL PHARMA PVT. LTD.**

Pharmaceutical Fine Chemicals & Bulk Drugs

Office : 10, Indraprastha, 1-C, Raheja Township, Jitendra Road, Malad (E), Mumbai - 400 097

# MATERIAL SAFETY DATA SHEET

## CHROMIUM PICOLINATE

MSDS Number : BPPL 057

PREPARED : 29<sup>th</sup> APRIL '2007  
RE-VALIDATED : 1<sup>st</sup> JANUARY '2017

### 1. GENERAL INFORMATION (Company Identification)

**Company's Name** : BIMAL PHARMA PVT. LTD.  
**Company's Address** : 10, Indraprastha, 1-C, Raheja Township,  
Jitendra Road, Malad (East).  
**Company's City** : Mumbai.  
**Company's State** : Maharashtra.  
**Company's Country** : INDIA.  
**Company's Zip Code** : 400097.  
**Company's Emerg. Ph. No.** : 91-22-28778563  
**Company's Info. Ph. No.** : 91-22- 28776031/ 28776639  
**Company's E-mail Address** : [jp2@vsnl.com](mailto:jp2@vsnl.com)

### 2. PRODUCT IDENTIFICATION / INGREDIENTS

**Synonyms** : Chromium Tripicolinate  
: Chromium Picolinate complex.  
**CAS No.** : 14639-25-9  
**Chemical Formula** :  $C_{18}H_{12}N_3O_6Cr$ .  
**Molecular Weight** : 418.30  
**Ingredient** : Chromium Picolinate 100%

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

**Warning** : It presents no health hazard and no unusual hazard,  
if involved in a fire.

E-mail : [jp2@vsnl.com](mailto:jp2@vsnl.com)/ [bimalpha@mtnl.net.in](mailto:bimalpha@mtnl.net.in)  
MSN ID : [bimal\\_pharma@hotmail.com](mailto:bimal_pharma@hotmail.com)  
Gram : NIACIN, Mumbai – 400 097

Phones: (0091) (22) 2877 60 31  
(0091) (22) 2877 66 39  
(0091) (22) 2877 85 63  
(0091) (22) 2877 51 66  
Fax : (0091) (22) 2877 57 55



## **BIMAL PHARMA PVT. LTD.**

Pharmaceutical Fine Chemicals & Bulk Drugs

---

Office : 10, Indraprastha, 1-C, Raheja Township, Jitendra Road, Malad (E), Mumbai - 400 097

### **POTENTIAL HEALTH EFFECTS**

<b>Inhalation</b>	:	May cause irritation to the respiratory tract and mucous membranes.
<b>Ingestion</b>	:	Not a hazard with normal industrial usage.
<b>Skin Contact</b>	:	May cause skin irritation.
<b>Eye Contact</b>	:	May cause irritation or burning.
<b>Chronic Exposure</b>	:	No adverse health effects expected.
<b>Aggravation of Pre-Existing conditions.</b>	:	No adverse health effects expected.
<b>Carcinogenicity</b>	:	Not Identifiable.

### **4. FIRST AID MEASURES**

<b>Inhalation</b>	:	Remove to the fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Ingestion</b>	:	Wash out mouth with water. Call physician.
<b>Skin Contact</b>	:	Immediately wash skin with soap and water for at least 15 minutes
<b>Eye Contact</b>	:	Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

### **5. FIRE FIGHTING MEASURES**

<b>Fire</b>	:	Not considered to be a fire hazard.
<b>Explosion</b>	:	Not considered to be an explosion hazard.
<b>Flash Point</b>	:	Non Combustible.
<b>Flammable Limits</b>	:	Non Combustible.
<b>Fire Extinguishing Media</b>	:	Use Media that is appropriate to treat surrounding fire.
<b>Special Fire Fighting Procedure</b>	:	Use fire fighting procedure that is appropriate to treat surrounding fire. All fire fighters should use self-contained breathing apparatus and full fire- fighting turn-out gear.

E-mail : [jp2@vsnl.com](mailto:jp2@vsnl.com)/ [bimalpha@mtnl.net.in](mailto:bimalpha@mtnl.net.in)  
MSN ID : [bimal\\_pharma@hotmail.com](mailto:bimal_pharma@hotmail.com)  
Gram : NIACIN, Mumbai – 400 097

Phones: (0091) (22) 2877 60 31  
(0091) (22) 2877 66 39  
(0091) (22) 2877 85 63  
(0091) (22) 2877 51 66  
Fax : (0091) (22) 2877 57 55



## **BIMAL PHARMA PVT. LTD.**

Pharmaceutical Fine Chemicals & Bulk Drugs

---

Office : 10, Indraprastha, 1-C, Raheja Township, Jitendra Road, Malad (E), Mumbai - 400 097

### **6. ACCIDENTAL RELEASE MEASURES :**

- General** : Use proper personal protective equipment  
As indicated in information Section 5.
- Spills / Leaks** : Vacuum or sweep up material and place  
into a suitable disposal container as  
indicated in information Section 11.  
: Avoid raising dust.  
: Ventilate the area and wash spill site  
after material pickup is complete.  
: Avoid runoff into storm sewers and  
ditches, which lead to waterways.  
: For large spill, use a shovel to put the  
material into a convenient waste disposal  
container. Finish cleaning by spreading water.

### **7. HANDLING & STORAGE**

- : Avoid contact with skin, eyes and clothing.
- : Use with adequate ventilation.
- : Avoid breathing dust.
- : Use normal personal Hygiene and housekeeping.
- : Store in cool, dry area away from other incompatible materials.
- : Product is slightly Hygroscopic and should be stored in a dry area and  
closed container to prevent moisture pick up and caking.

### **8. EXPOSURE CONTROLS, PERSONAL PROTECTION :**

- Engineering Controls** : Use adequate ventilation to keep airborne  
concentration low.
- (a) **Skin & Eye Protection** : Use Rubber or Neoprene Gloves, Chemical Goggles  
and Clothing Sufficient to protect skin from dust.
- (b) **Respiratory Protection** : Use NIOSH / MSHA approved respirators.
- (c) **Ventilation Requirements** : Ventilate as necessary to eliminate dust from the  
work area and maintain concentrations below the limits.

**Exposure Limits** : TWA : 0.5 (mg. / m<sup>3</sup>).

E-mail : [jp2@vsnl.com](mailto:jp2@vsnl.com)/ [bimalpha@mtnl.net.in](mailto:bimalpha@mtnl.net.in)  
MSN ID : [bimal\\_pharma@hotmail.com](mailto:bimal_pharma@hotmail.com)  
Gram : NIACIN, Mumbai – 400 097

Phones: (0091) (22) 2877 60 31  
(0091) (22) 2877 66 39  
(0091) (22) 2877 85 63  
(0091) (22) 2877 51 66  
Fax : (0091) (22) 2877 57 55



## **BIMAL PHARMA PVT. LTD.**

Pharmaceutical Fine Chemicals & Bulk Drugs

---

Office : 10, Indraprastha, 1-C, Raheja Township, Jitendra Road, Malad (E), Mumbai - 400 097

### **9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance</b>	: Dark Red, free flowing powder.
<b>Odor</b>	: Odorless
<b>Solubility</b>	: Insoluble in water & Ethanol.
<b>Vapor Density</b>	: Not Applicable
<b>Boiling Point</b>	: Not Applicable
<b>Melting Point</b>	: Not Applicable
<b>Vapor Pressure</b>	: Not Applicable
<b>PH (5% w/v Suspension)</b>	: Approx 3.5 – 5.5
<b>Volatiles By Volume</b>	: Not Applicable

### **10. STABILITY & REACTIVITY**

<b>Stability</b>	: Stable under ordinary conditions of use & storage.
	: Stable under normal temp. & pressure.
<b>Hazardous Decomposition Product</b>	: May emit toxic gases upon thermal decomposition.
<b>Hazardous Polymerisation</b>	: Will not occur under normal condition.
<b>Incompatibilities</b>	: Strong Acids or Bases.
<b>Conditions to Avoid</b>	: Not Relevant

### **11. TOXICOLOGICAL INFORMATIONS**

LD 50 ( Oral, Murine) Greater than 2 gm / kg.

#### **Chronic Effect on Humans:**

DEVELOPMENTAL TOXICITY : PROVEN

The substance is toxic to the reproductive system, central nervous system (CNS).

**Other Toxic Effects on Human** : Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

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

E-mail : [jp2@vsnl.com](mailto:jp2@vsnl.com)/ [bimalpha@mtnl.net.in](mailto:bimalpha@mtnl.net.in)  
MSN ID : [bimal\\_pharma@hotmail.com](mailto:bimal_pharma@hotmail.com)  
Gram : NIACIN, Mumbai – 400 097

Phones: (0091) (22) 2877 60 31  
(0091) (22) 2877 66 39  
(0091) (22) 2877 85 63  
(0091) (22) 2877 51 66  
Fax : (0091) (22) 2877 57 55



## **BIMAL PHARMA PVT. LTD.**

Pharmaceutical Fine Chemicals & Bulk Drugs

---

Office : 10, Indraprastha, 1-C, Raheja Township, Jitendra Road, Malad (E), Mumbai - 400 097

### **12. ECOLOGICAL INFORMATIONS.**

**Ecotoxicity:** Not available.

**BOD 5 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.

### **13. DISPOSAL CONTROLS**

- (a) **If spilled** : Sweep off or wash with water.  
: Vacuuming or wet sweeping may be used to avoid dust dispersal.
- (b) Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### **14. TRANSPORT INFORMATIONS**

Not Regulated.

**DOT Classification :** Not a DOT controlled material (United States).

**Identification :** Not Applicable.

**Special Provisions for Transport :** Not applicable.

### **15. REGULATORY INFORMATION :**

European / International Regulation

European Labeling in Accordance with EC Directives Hazards symbols : XN

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

WHMIS (Canada) : CLASS D-24: Material causing other toxic effects.

E-mail : [jp2@vsnl.com](mailto:jp2@vsnl.com)/ [bimalpha@mtnl.net.in](mailto:bimalpha@mtnl.net.in)  
MSN ID : [bimal\\_pharma@hotmail.com](mailto:bimal_pharma@hotmail.com)  
Gram : NIACIN, Mumbai – 400 097



Phones: (0091) (22) 2877 60 31  
(0091) (22) 2877 66 39  
(0091) (22) 2877 85 63  
(0091) (22) 2877 51 66  
Fax : (0091) (22) 2877 57 55

## **BIMAL PHARMA PVT. LTD.**

Pharmaceutical Fine Chemicals & Bulk Drugs

---

Office : 10, Indraprastha, 1-C, Raheja Township, Jitendra Road, Malad (E), Mumbai - 400 097

### **16. ADDITIONAL INFORMATION :**

- (1) This **MSDS** has been prepared according to the hazard criteria of the CPR (Controlled Products Regulations)
- (2) This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.