

# Material Safety Data Sheet



## CHROMIUM (METAL) POWDER

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product Code : 13641

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### **1. Identification of the substance/mixture and of the company/undertaking**

#### **1.1. Product identifier**

**Trade name :** CHROMIUM (METAL) POWDER

**Product code :** 13641

**Identification of the product :** Chromium (Metal) Powder

**CAS No :** 7440-47-3

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

**Use :** Industrial. For professional use only.

#### **1.3. Details of the supplier of the safety data sheet**

**Company identification :** MOLYCHEM

**Office:** 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

**Email :** [info@molychem.net](mailto:info@molychem.net)

**Works:** Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

#### **1.4. Emergency telephone number**

**Emergency number :** +91 22 4066 8111 (10:00am - 6:00 pm).

### **2. Hazards identification**

#### **2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazardous to the aquatic environment — Acute Hazard, H400**

**Category 1**

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

**Adverse physicochemical, human health and environmental effects**

**No additional information available**

#### **2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display**  
**Extra classification(s) to display**

**Hazard pictograms :**



**Signal word :** Warning

**Hazard statements :** H400 - Very toxic to aquatic life.

**Precautionary statements:** P273 - Avoid release to the environment.

#### **2.3. Other hazards**

**No additional information available**

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### **3. Composition/information on ingredients**

#### **3.1. Substances : CHROMIUM (METAL) POWDER**

CAS-No. : 7440-47-3

Substance.

Contains no other components or impurities which will influence the classification of the product.

### **4. First aid measures**

#### **4.1. Description of first aid measures**

First-aid measures after inhalation : Assure fresh air breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of water/....

First-aid measures after eye contact : Rinse immediately with plenty of water.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No additional information available

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

Treat symptomatically.

### **5. Firefighting measures**

#### **5.1. Extinguishing media**

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### **5.2. Special hazards arising from the substance or mixture**

No additional information available

#### **5.3. Advice for firefighters**

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### **6. Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **6.1.1. For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

##### **6.1.2. For emergency responders**

Protective equipment : Equip cleanup crew with proper protection.

#### **6.2. Environmental precautions**


Very toxic to aquatic life.

#### **6.3. Methods and material for containment and cleaning up**

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Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

#### **6.4. Reference to other sections**

No additional information available

### **7. Handling and storage**

#### **7.1. Precautions for safe handling**

Precautions for safe handling : Avoid contact with skin and eyes. Avoid dust formation.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

#### **7.3. Specific end use(s)**

No additional information available

### **8. Exposure controls/personal protection**

#### **8.1. Control parameters**

No additional information available

#### **8.2. Exposure controls**

Hand protection : Protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

### **9. Physical and chemical properties**

#### **9.1. Information on basic physical and chemical properties**

**Odour threshold** : No data available

**pH** : No data available

**Relative evaporation rate (butylacetate=1)** : No data available

**Melting point** : 1900 °C

**Freezing point** : No data available

**Boiling point** : 2642 °C

**Flash point** : No data available

**Auto-ignition temperature** : 580 °C

**Decomposition temperature** : No data available

**Flammability (solid, gas)** : No data available

**Vapour pressure** : No data available

**Relative vapour density at 20 °C** : No data available

**Relative density** : No data available

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**Density** : 7.14 g/cm<sup>3</sup>

**Solubility** : Water: Insoluble in water

**Log Pow** : No data available

**Viscosity, kinematic** : No data available

**Viscosity, dynamic** : No data available

**Explosive properties** : No data available

**Oxidising properties** : No data available

**Explosive limits** : No data available

### 9.2. Other information

No additional information available

## 10. Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Air contact. Direct sunlight. High temperature. Moisture.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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### **12. Ecological information**

#### **12.1. Toxicity**

Ecology - water : Very toxic to aquatic life.

#### **12.2. Persistence and degradability**

Persistence and degradability May cause long-term adverse effects in the environment.

#### **12.3. Bioaccumulative potential**

No additional information available

#### **12.4. Mobility in soil**

No additional information available

#### **12.5. Results of PBT and vPvB assessment**

No additional information available

#### **12.6. Other adverse effects**

No additional information available

### **13. Disposal considerations**

#### **13.1. Waste treatment methods**

Product/Packaging disposal

Recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### **14. Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

#### **14.1. UN number**

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

#### **14.2. UN proper shipping name**

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

#### **14.3. Transport hazard class(es)**

ADR- Transport hazard class(es) (ADR) : Not applicable

IMDG- Transport hazard class(es) (IMDG) : Not applicable

IATA- Transport hazard class(es) (IATA) : Not applicable

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**ADN-** Transport hazard class(es) (ADN) : Not applicable

**RID-** Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

### 14.6. Special precautions for user

**Overland transport-** No data available

**Transport by sea-** No data available

**Air transport-** No data available

**Inland waterway transport-** No data available

**Rail transport-** No data available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not applicable

## 15. Regulatory information

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

### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

CHROMIUM (METAL) POWDER is not on the REACH Candidate List

CHROMIUM (METAL) POWDER is not on the REACH Annex XIV List

### 15.1.2. National regulations

#### Germany

Reference to AwSV : Water hazard class (WGK) nwg, Non-hazardous to water  
(Classification according to AwSV; ID No. 1443)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de

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voortplanting giftige stoffen – Borstvoeding : The substance is not listed  
NIET-limitatieve lijst van voor de

voortplanting giftige stoffen –

Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

## **15.2. Chemical safety assessment**

No additional information available

## **16. Other information**

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

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## **End of document**

**Prepared by: MOLYCHEM (INDIA)**

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(The statements contained herein are offered for informational purposes only and are based upon technical data that MOLYCHEM believes to be accurate.

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