



## CARBORUNDUM UNIVERSAL LIMITED

Electrominerals Division, P B No.1, Kalamassery Development Plot P.O., Cochin, Kerala 683 109,  
Telephones: +91 484 2543887 / 2540799 / 4093627 Fax: +91 484 2532019  
E-mail: [salesemd@cumi.murugappa.com](mailto:salesemd@cumi.murugappa.com) Web: [www.cumi-emd.eu](http://www.cumi-emd.eu)

### SAFETY DATA SHEET

CAS No. 12018-01-8  
PAGE 1 OF 4

Product Name: **Fused Chromium Oxide**

PRINT DATE: **July 31, 2009**

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product Name: **FUSED CHROMIUM OXIDE**

Other designations / sub-designations: **Fused Chromia / Fused Chromium Oxide / Cr2O3 powder / CR-99 etc.**  
**Size of material**

Supplier: **Carborundum Universal Ltd.**  
**P.O. Box. 1, K D Plot P.O, Kochi 683109, Kerala, India**  
Telephone: **+ 91 484 2541958**, Fax: **+ 91 484 2532019**

Emergency Telephone Number **+91484 2543887** Emergency Fax Number **+91484 2532019**

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name of the Substance **Chromium Oxide (Fused), Min. 99 % Cr2O3**

CAS No. 12018-01-8

Chromium Oxide is subject to EPA Section 313 reporting SARA 40 CFR Part 372  
All ingredients are listed under TSCA  
Material regulated by OSHA 29 CFR 1910.1200.

#### 3. HAZARDS IDENTIFICATION

Inhalation of high concentrations of dusts of this substance may cause eye and upper respiratory tract irritation.

Ingestion may cause mild irritation  
Eye contact may cause mild irritation  
Skin contact may cause mild irritation

#### 4. FIRST AID MEASURES

General advice  
**Show this safety data sheet to the doctor in attendance**

Inhalation  
**Remove to fresh air. Check for clear airway, breathing and presence of pulse. Provide cardiopulmonary resuscitation for persons without pulse or respiration. Consult a physician or other qualified medical personnel.**

Skin Contact

**Wash with soap and water**



## CARBORUNDUM UNIVERSAL LIMITED

Electrominerals Division, P B No.1, Kalamassery Development Plot P.O., Cochin, Kerala 683 109,  
Telephones: +91 484 2543887 / 2540799 / 4093627 Fax: +91 484 2532019  
E-mail: [salesemd@cumi.murugappa.com](mailto:salesemd@cumi.murugappa.com) Web: [www.cumi-emd.eu](http://www.cumi-emd.eu)

---

### SAFETY DATA SHEET

CAS No. 12018-01-8  
PAGE 2 OF 4

Product Name: **Fused Chromium Oxide**

PRINT DATE: **July 31, 2009**

---

#### Eye Contact

**Rinse thoroughly with plenty of water for at least 15 minutes. If redness, irritation, pain or tearing persists consult a physician or other qualified medical personnel**

#### Ingestion

**No Special requirements**

#### Protection of first-aiders

**Use Dust protection masks and goggles. Cover body and limbs with normal clothing.**

---

### 5. FIRE-FIGHTING MEASURES

#### Fire / Explosion hazards

**This product does not present fire or explosion hazard**

#### Environmental precautions

**No special environment precautions required.**

#### Extinguishing media

**Use appropriate media for surrounding fire**

#### Fire Fighting Equipment

**Respiratory and eye protection required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used of all indoor fires and any significant outdoor fires.**

---

### 6. ACCIDENTAL RELEASE MEASURES

#### Person related Safety precautions

**Avoid contact with Skin and eyes**

#### Methods for cleaning up

**Scoop up with mechanical or pneumatic means**

---

### 7. HANDLING AND STORAGE

#### Handling

**Ensure good ventilation in all work areas. Minimize dusting and dust accumulation**

#### Storage

**Keep closed in a dry place. Product does not degrade with time.**

#### Packaging Material

**No special requirement**

---



## CARBORUNDUM UNIVERSAL LIMITED

Electrominerals Division, P B No.1, Kalamassery Development Plot P.O., Cochin, Kerala 683 109,  
Telephones: +91 484 2543887 / 2540799 / 4093627 Fax: +91 484 2532019  
E-mail: [salesemd@cumi.murugappa.com](mailto:salesemd@cumi.murugappa.com) Web: [www.cumi-emd.eu](http://www.cumi-emd.eu)

---

### SAFETY DATA SHEET

CAS No. 12018-01-8  
PAGE 3 OF 4

Product Name: **Fused Chromium Oxide**

PRINT DATE: **July 31, 2009**

---

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

**OSHA P.E.L & TLV – 0.50mg/m<sup>3</sup> (total dust)**

Respiratory protection

**Use approved dust protection masks where exposure limit is likely to be exceeded.**

Personal Protection Equipment

**Wear suitable gloves and long sleeved shirts to avoid skin irritation**

Eye Protection

**Use of safety goggles with side shields is always recommended. Where air turbulence is likely to occur, goggles are recommended.**

General

**Handle in accordance with good industrial hygiene and safety practices.**

---

#### 9. PHYSICAL AND CHEMICAL PROPERTIES.

Form: **Solid Granules / Powder**

Color: **Odorless fine black powder**

Melting point / range > **2400 C**

Flash Point

**Not Applicable**

Auto-ignition temperature

**Not Applicable**

Explosion Limits

**Not Applicable**

Density

**5.2 (Specific Gravity)**

Solubility

**Insoluble**

Viscosity

**Not Applicable.**

---

#### 10. STABILITY AND REACTIVITY

Stability

**Product is Stable at normal conditions and when used in accordance with specifications.**

Conditions to avoid

**None.**

Hazardous decomposition products

**None**

---

#### 11. TAXICOLOGICAL INFORMATION

Mobility

**Insoluble.**

Persistence / degradability

**Product is inert**



## CARBORUNDUM UNIVERSAL LIMITED

Electrominerals Division, P B No.1, Kalamassery Development Plot P.O., Cochin, Kerala 683 109,  
Telephones: +91 484 2543887 / 2540799 / 4093627 Fax: +91 484 2532019  
E-mail: [salesemd@cumi.murugappa.com](mailto:salesemd@cumi.murugappa.com) Web: [www.cumi-emd.eu](http://www.cumi-emd.eu)

---

### SAFETY DATA SHEET

CAS No. 12018-01-8  
PAGE 3 OF 4

Product Name: **Fused Chromium Oxide**

PRINT DATE: **July 31, 2009**

---

Bioaccumulation  
**Unlikely**

Ecotoxicity  
**Ecological Injuries are not known or expected under normal use.**

---

#### 12. ECOLOGICAL INFORMATION

**Generally, no adverse conditions are anticipated. Bauxite is an inert material, but may require compliance with governmental restrictions and permitting requirements prior to release**

---

#### 13. DISPOSAL CONSIDERATIONS

Product:  
**Collect in containers or covered dumpsters. If reuse or recycling is not possible, material may be disposed at an industrial landfill, subject to local regulations and restrictions**

Contaminated packaging  
**Disposal must be made according to official regulations**

---

#### 14. TRANSPORT INFORMATION

**Not classified as dangerous in the meaning of transport regulations.**

---

#### 15. REGULATIONS INFORMATION

**This product is not a hazardous article and need not to be labeled according to EC-Directive 67/548**

---

#### 16. OTHER INFORMATIONS

**NONE**

---

The Information provided in this safety Data sheet is correct to the best of our Knowledge information and belief at the date of its publication .The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification .The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process. Other details of the product not known to us are not included and we shall not be held responsible for such details.