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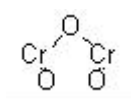
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## Technical Data Sheet

### Chromium oxide

#### Product Information

Chemical Name	Chromium oxide
CAS #	1308-38-9
Formula	Cr <sub>2</sub> O <sub>3</sub>
Molecular Weight	151.99
Synonyms	Chromium oxide; Chromium Oxide greens; Chromium Oxide Green Powder
Chemical Structure	



#### Description

Molecular Formula: Cr<sub>2</sub>O<sub>3</sub>, molecular weight is 191.99. melting point at 2266±25°C, boiling point at 4000°C. Hexagonal crystal or amorphous olive green powder with a metallic luster and magnetic. Insoluble in water and acid, soluble in hot alkali metal bromic acid solution. Extremely stable in light, atmosphere, high temperature and corrosive gases (SO<sub>2</sub>, H<sub>2</sub>S, etc).

#### Physical Properties

Melting point, °C .	2266±25
Boiling range, °C	4000
Density	5.21
Flash point, °C	3000

#### Specification

Appearance	Dark green crystal or powder
Assay(Cr <sub>2</sub> O <sub>3</sub> )	≥90%
Chromium anhydride	0.05%Max
Water insoluble	1.0%Max
Fe	0.20%Max
Sulfate (SO <sub>4</sub> )	0.05%Max
Chloride	0.01%Max
Acid sodium salt	0.5%Max

### **Safety**

Always refer to the Material Safety Data Sheet (MSDS)

### **Applications**

Mainly used for the industries of pigment, metallurgy, refractory and ceramics etc.

### **Packaging**

25kg per bag,20mt per 20GP container or as request

### **Storage & Handling**

Prevent weathering,should be stored in dry place, avoid big temperature difference, moisture, acid mist and sun.Once opened, should be fastened well to prevent the water vapor and pollution.

Storage should be kept away from food.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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