



**FRIENDO INDUSTRIAL LIMITED**  
友信中實業/广州市朗門化工有限公司

## MATERIAL SAFETY DATE SHEET

### 1. Identification of substance and supplier

Product Name: Red 190  
Chemical Name: Iron Oxide CAS NO.: 1309-37-1  
Supplier: Friendo Industrial Limited  
NO.7.Block E, Guangzhou Huagongcheng Town,  
Dongpu,Guangzhou,China  
Tel:86-20-82562835 Fax:86-20-82552160  
Email: info@friendochem.com

### 2. Physical/Chemical Characteristics

Boiling Point: N/A Specific Gravity: 3.8-4.9  
Vapor Pressure: N/A Melting Point: Greater Than 1832F  
Vapor Density: N/A Evaporation Rate: N/A  
Solubility In Water: Insoluble Water Reactivity: Does Not React  
Appearance And Odor: Solid Assorted Colored Powders;Odorless.

### 3. Hazardous Components

Component	CAS#	Wt%	OSHA PEL	AGIH TLV
This products contains no hazardous ingredient as defined under the criteria of the federal OSHA hazard communication standard 29 CFR 910.1200				

### 4. First aid measure

Flash Point: N/A  
Auto-Ignition Temperature: N/A  
Flammability Limits In Air (By% Volume): N/A  
Extinguisher Media: N/A  
Special Fire Fighting Procedures: Use Extinguishing Media Suitable  
Unusual Fire And Explosion Hazards: None

## 5. Fire Fighting Measure

Nonflammable inorganic pigment product.

Extinguishing media: Water spray, carbon dioxide, dry chemical powder or foam.

Special protective equipment: Self contained breathing apparatus plus full protective equipment recommended

## 6. Reactivity Hazard Data

Stability: Stable

Conditions To Avoid: None

Incompatibility (Materials Products): None

Hazardous Decomposition Products: None

Hazardous Polymerization: Will Not Occur

## 7. Health Hazard Data

Primary Routes of Entry: Eye Contact: Skin Contact: Inhalation

Carcinogen Listed in: Not Listed

Health Hazards: Acute-Is Essentially Non-Toxic.

However excessive exposure to airborne dust may reduce visibility and/or cause unpleasant deposits in the eyes, ears and nose. Injury to the skin or mucous membranes can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of dust.

Chronic- None  
Signs and Symptoms of Exposure: None Known

Medical Conditions Generally Aggravated by Exposure: None Known

### EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes, lifting lids periodically. Seek medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water.

Inhalation: Remove from dusty area to fresh area. If not breathing gives artificial respiration.

If breathing is difficult, give oxygen and call physician.

Ingestion: Induce vomiting and seeks medical attention.

## 8. Control And Protective Measure

Respiratory Protection: Dust respirator

Protective gloves: Yes

Eye Protection:	Safety glasses
Ventilation:	Do not use in small-enclosed area
Other Protection Clothing and Equipment:	None
Hygienic Work Practices:	Wash hands with soap and water after contact

## 9. Precautions For Safe Handling And Storage

Steps To Be Taken if Materials Is Spilled or Released: vacuum or scoop material into an appropriately marked container for reclamation or disposal. Avoid excessive generation of dust. If dust is generated, use appropriate respiratory protection.

Waste Disposal Methods: Consult local, state, and federal regulations.

Precautions To Be Taken In Handling and Storage: Store at ambient temperature away from food and beverages. Avoid breathing dust, and skin and eye contact.

Other Precautions: None

## 10. Accidental Release Measured

Personal precautions: Clean up with appropriate personal equipment (see Section 8)

Environment precautions: Airborne organic pigment dust may be an explosion hazard. Secure source of ignition and avoid raising dust. Ventilate area.

Methods of cleaning up: Take up mechanically, place in a bag and hold for disposal.

Wash spill site after material pickup.

## 11. Toxicology information

Inorganic pigments in general are considered practically non-toxic.

No Published data is available.

## 12. Ecological information

The product is not water-soluble

## 13. Disposal considerations

Consult local experts for advice on the disposal of this material. Waste disposal should be carried out according to local and state regulation.

## 14. Transport

Road transport  
ADR/RID and GGVS/GGVE: UN-No: None/None Regulated

Sea transport

IMDG/GGVSee

UN-No: None/None Regulated

Air transport

TCAO/IATA:

UN-No: None/None Regulated

## 15. Regulatory information

Not Applicable

## 16. Other information

The information contained herein is based on the present state of our knowledge. All data given are in good faith but no warranty is made expressed or implied.  
91/155EC

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