



# CHANGZHOU ENERGETIC & RELIABLE CO., LTD.

R.1106, BUILDING NO.2, NO.25 NORTH STREET, CHANGZHOU,JIANGSU,CHINA

*Dedicating to Pesticide formulation coloring and seed coating*

## **Material Safety Data Sheet**

### **1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

#### **PRODUCT NAME: ER Red F2R**

RECOMMENDED PRODUCT USE: Aqueous pigment dispersion for pesticide formulation and seed coating

#### MANUFACTURER / SUPPLIER / DISTRIBUTOR INFORMATION:

Changzhou Energetic & Reliable Co., Ltd.

Address: Room 1106, Building No.2, No.25 North Street, Changzhou, Jiangsu, China

Telephone No.: 86-519-88029579, 86-519-88029578

Fax No.: 86-519-88029580

Emergency telephone number: 86-519-81187161

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

Component	Concentration
Red F2R	97.0% min
Water	2.0% max
Inorganic Impurity	1.0% max

### **3. Hazards identification**

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment

Organic substances in powder form may have the potential to cause dust explosions

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

#### General information

Seek medical assistance if discomfort continues

#### After inhalation

Remove the casualty into fresh air and keep him calm.

#### After contact with skin

In case of contact with skin, clean with soap and water.

#### After contact with eyes

Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

#### After ingestion

If swallowed do not induce vomiting, seek medical advice first



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## 5. Fire-fighting measures

Suitable extinguishing media

Water spray jet

Foam

Special protective equipment for firefighting

Use self-contained breathing apparatus

## 6. Accidental release measures

Environmental precautions

Do not allow entry to drains, water courses or soil

Methods for cleaning up

Avoid dust formation and electrical charging (sparking) because dust explosion might occur.

## 7. Handling and storage

Advice on safe handling

When used and handled appropriately no special measures are needed

Avoid dust formation.

Advice on protection against fire and explosion

Take precautionary measures against electrostatic charges - earthing necessary during loading operations.

Keep away from sources of ignition

Dust can form an explosive mixture with air.

Further information on storage conditions

Keep container dry

Protect from warmth

Storage stability

Storage period > 24 month

## 8. Exposure controls/personal protection

General protective measures

Observe the usual precautions for handling chemicals.

Hygiene measures

Wash hands before breaks and after work.

Use barrier skin cream.

Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Respiratory protection : Wear dust mask when handling large quantities

Hand protection : Rubber gloves.



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Eye protection : safety glasses

Body protection : working clothes

## 9. Physical and chemical properties

Form: Powder

Color: bright red

Melting point (decomposition): not lower than 200 °C

Flash point : Not applicable

Self-ignition temperature: Not applicable

Vapor pressure: Not applicable

Density: not determined

Solubility in water: (20 °C)

Virtually insoluble

pH value : not determined

Octanol/water partition

coefficient (log Pow) :

Not determined

Viscosity (dynamic): cannot be determined

Impact sensitivity: Not impact-sensitive

Further information

No incompatible substance known.

## 10. Stability and reactivity

Thermal decomposition: not lower than 200°C

Hazardous reactions

When handled and stored appropriately no dangerous reactions are known

Hazardous decomposition products

When handled and stored appropriately no dangerous decomposition products are known

## 11. Toxicological information

Acute oral toxicity: LD50 > 5000 mg/kg (rat)

Irritant effect on skin: Mild-irritant (rabbit)

Irritant effect on eyes: Mild-irritant (rabbit eye)

## 12. Ecological information

Biodegradability: No degradability data available due to low solubility of the material in water

Fish toxicity: not determined



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Daphnia toxicity: not determined

Algae toxicity: not determined

Bacteria toxicity: not determined

Remarks

No data can be given due to the product's insolubility in water

### 13. Disposal considerations

Product should be taken to a suitable and authorized waste disposal site in accordance with local regulations

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

### 14. Transport information

ADR: Not regulated as a hazardous material.

ADNR: Not regulated as a hazardous material.

RID: Not regulated as a hazardous material.

IATA: Not regulated as a hazardous material.

IMDG: Not regulated as a hazardous material

### 15. Regulatory information

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28 After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 37/39 Wear suitable gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

China

Not listed in Dangerous Goods Inventory (GB12268, China).

Canada

Not listed on Canada's NDSL.

US FEDERAL

Not listed on the TSCA inventory



## **16. Disclaimer**

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.