



Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: ER SC Red 3R

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.: 86-519-88029577, 86-519-88029578

Fax No.: 86-519-88029580

Emergency telephone number: 86-519-88029577

2. Composition/information on ingredients

Component	CAS Number
Proprietary water based mixture/dispersion	Proprietary

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

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

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: 12 months

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.

Eye protection : safety glasses

Body protection : working clothes



9. Physical and chemical properties

Form: Aqueous liquid dispersion

Color: Red

Melting point: Not applicable

Flash point: Not applicable

Self-ignition temperature: Not applicable

Vapour pressure: Not available

Density:

Solubility in water: (20 °C)

Virtually insoluble in water, dispersed in water.

pH value : 7.0-9.0

Octanol/water partition

coefficient (log Pow) :

Not determined

Viscosity (25°C): lower than 2000 cp

Further information

No incompatible substance known.

10. Stability and reactivity

Thermal decomposition: not lower than 180 °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: non-irritant (rabbit)

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

12. Ecological information

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

Fish toxicity: not determined

Daphnia toxicity: not determined

Algae toxicity: not determined

Bacteria toxicity: not determined



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Dedicating to pesticide formulation coloring and seed coating

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

ER Red R2B: Canada's NDSL released.

Modified styrene acrylic polymers (BASF Joncryl): Canada's NDSL released.

Glycerol Ethoxylate (Clariant Polyglykol G 300): Canada's NDSL released.

1,2 -benzothiazolin-3-one: Canada's NDSL released.



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USA

ER Red R2B: TSCA released.

Modified styrene acrylic polymers (BASF Joncryl): TSCA released.

Glycerol Ethoxylate (Clariant Polyglykol G 300): TSCA released.

1, 2-benzisothiazolin-3-one: TSCA released.

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.