

SAFETY DATA SHEET

CL ZRP 21 Lite Modified Zinc-Rich Epoxy Primer

Reformatted into the Century Lion SDS template from the manufacturer's original English SDS (Report No. X26051960-04, dated 21st May, 2026). Content follows the original.

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Date	21st May, 2026
Edited by	BIWEI Testing Technology (Shanghai) Co., Ltd.
Prepared in accordance with	GB/T 16483-2008 and GB/T 17519-2013
Document no.	CL-SDS-ZRP-21-LITE (ENG)
Revision no.	Rev 01
Revision date	2026-10-02
Supersedes	None

SECTION 1: Identification of the Chemical and the Company

Product Identification

Product name	CL ZRP 21 Lite Modified Zinc-Rich Epoxy Primer
Product name in original SDS	Epoxy Zinc-rich Primer
Model	/

Recommended Use and Restrictions on Use

Application	This product is a liquid mixture and flammable liquid. It may cause irritation by inhalation, ingestion or skin contact, and is harmful to aquatic environment.
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Company Identification

Manufacturer / supplier	Hebei Ruian Tiandi New Materials Co., Ltd.
Address	East of Donghuan Road, East District of the Economic Development Zone, Boye County, Baoding City, Hebei Province, China
Postal code	071300
Telephone	18901339922

SECTION 2: Hazards Identification

Emergency Overview

This product is a liquid mixture, non-flammable liquid. It may cause irritation upon inhalation, ingestion or skin contact, and is harmful to the aquatic environment.

GHS Hazard Categories

Hazard class	Category
Skin sensitization	Category 1
Severe eye injury / eye irritation	Category 2A

GHS Label Elements

Hazard symbol (pictogram)	No data.
Signal word	No data.

Hazard Statements

Code	Statement
—	No data.

Precautionary Statements**Prevention**

Code	Statement
P210	Keep away from heat, sparks, open flames and hot surfaces.
P280	Wear protective gloves, eye protection and face protection.
P273	Avoid release to the environment.

Response

Code	Statement
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338	IF IN EYES: Rinse continuously with water.
P314	Get medical advice if you feel unwell.

Storage

Code	Statement
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal

Code	Statement
P501	Dispose of contents and container in accordance with local, regional, national and international regulations.

Description of Other Hazards**Physical and Chemical Hazards**

No obvious hazards under normal use.

Health Hazards

Inhalation	No inhalable volatile substances.
Ingestion	No obvious hazards under normal use; may irritate oral cavity, esophagus, stomach and digestive tract if swallowed.
Skin contact	No obvious hazards under normal use; may cause skin irritation under abnormal use.
Eyes	No obvious hazards under normal use; may cause eye irritation if accidentally splashed into eyes.

Environmental Hazards

No data available

SECTION 3: Composition / Information on Ingredients

No.	Component	CAS no.	Weight (%)
1	Epoxy Resin	61788-97-4	23
2	Ethylene Glycol Diacetate	111-55-7	10
3	Bentonite	1302-78-9	2
4	Titanium Dioxide	1317-80-2	3
5	Talc Powder	14807-96-6	62

SECTION 4: First-Aid Measures**Description of First-Aid Measures**

Eye contact	Separate the eyelids. Rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice immediately if feel uncomfortable.
Skin contact	Take off contaminated clothing. Wash off with plenty of water. If feel uncomfortable, consult a physician and bring this instruction.

Ingestion	Do not induce vomiting. If vomiting occurs, lower the head to ease vomiting and seek medical advice immediately. Never give anything by mouth to an unconscious person.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen.

SECTION 5: Fire-Fighting Measures

Extinguishing Media

Suitable extinguishing media	Water, sand, dry powder, and carbon dioxide.
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Special Hazards Arising from the Substance or Mixture

This product is not flammable under normal storage conditions. Irritating gases/vapors would be produced at elevated temperature.

Precautions for Fire-Fighting and Protective Measures

Firefighters must wear full body fireproof and impermeable clothing, as well as air respirators. Fight fire upwind. Prevent fire extinguishing water from contaminating surface water or the groundwater system.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Emergency personnel should wear protective clothing/protective gloves. Pay attention to not slip. Ensure adequate ventilation. Ensure air handling systems are operational.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Discharge this product into the environment must be avoided.

Methods and Materials for Containment and Cleaning Up

Remove ignition resource. Cut off the source of leakage as much as possible. Collect leaks and clean contaminated areas. Relevant industrial hygiene regulations should be followed during operation.

SECTION 7: Handling and Storage

Handling

According to the instructions correctly. Handling should be performed in a well-ventilated place. Keep the package and container intact during transferring. Do not eat, drink, smoke or use personal products when handling the product. Unfinished materials should be sealed.

Storage

Keep the container sealed. Store in a cool, dry, and ventilated warehouse. Stay away from sources of ignition, heat, oxidants, and strong acids and alkalis.

SECTION 8: Exposure Controls and Personal Protection

Control Parameters

Occupational exposure limits	No data.
Maximum allowable concentration	Not particular provision.

Engineering Controls

Emergency eye wash fountains and safety showers should be close to the workstation location. Provide exhaust or other ventilations.

Personal Protective Equipment

Eye protection	Wearing safety goggles is recommended.
Respiratory protection	Wearing protective mask is recommended.
Skin and body protection	Wear protective gloves and protective work clothes. Pay attention to personal hygiene is recommended. Wash hands promptly when indirect contact with the skin and after working.
Hygienic measure	Avoid contact with skin, eyes and clothing. Smoking, eating and drinking water are prohibited at job site. Wash hands before smoking, eating, drinking and after work.

SECTION 9: Physical and Chemical Properties

Physical state	viscous liquid
Color	/
Odor	Weak odor

SECTION 10: Stability and Reactivity

Chemical stability	The product has stable performance and is not flammable when storage and used at normal ambient temperature.
Possibility of hazardous reactions	No data.
Conditions to avoid	Incompatible material, Extreme heat, open flames, hot surfaces, etc.
Incompatible materials	Oxidants, alkalis, acids, etc.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products would not be produced. Irritating gases and smog may be produced at elevated temperature.

SECTION 11: Toxicological Information

Acute toxicity	No data.
Skin irritation/corrosion	May cause skin irritation.
Eye irritation/corrosion	May cause eye irritation.
Respiratory/skin sensitization	May irritate nasal mucosa and respiratory system.
Germ cell mutagenicity	No data.
Carcinogenicity	No data.
Reproductive toxicity	No data.
STOT – single exposure	No data.
STOT – repeated exposure	No data.
Aspiration hazard	May be harmful if swallowed and enters airways.

SECTION 12: Ecological Information

Ecological toxicology toxicity	May have adverse hazardous effects on plants, animals or microorganisms.
Persistence and degradability	No data.
Bioaccumulative potential	No data.
Mobility in soil	No data.

SECTION 13: Disposal Considerations

Waste from residues	Recycle if possible. Do not dispose the product by discharging into the sewer.
Contaminated packaging	Return to supplier for recycling or dispose in accordance with national and local regulations.
Disposal precautions	According to the relevant national and local laws and regulation. Refer to 8th chapter for personal protection equipment.

SECTION 14: Transport Information

UN number	No data.
Shipping name	Not restricted goods.
Transport hazard class(es)	No data.
Packing group	No data.
Packing method	Please refer to the supplier's recommended method.
Label	No data.

Marine pollution (Yes/No)	No data.
Precautions for transport	Transportation vehicles should be equipped with the appropriate variety and quantity of fire-fighting equipment and leakage emergency treatment equipment. It is strictly forbidden to mix and transport with alkali, food, etc. During transportation, it should be protected from exposure, rain and high temperature. The packaging should be complete and the loading should be secure. When transporting by railway, slip away should be forbidden.

SECTION 15: Regulatory Information

Domestic regulations	The following laws, regulations and standards specify relevant provisions on the safe use, storage, transportation and handling of partial chemical components contained in this product: Included in the Catalogue of Hazardous Chemicals (2015 Edition). This product is not classified as explosive precursor chemical, precursor chemical for drugs nor key supervised hazardous chemical. Not included in the Catalogue of Key Supervised Hazardous Chemicals (Batch 1 & 2). Not included in the Catalogue of Hazardous Chemicals Prone to Explosion (2017 Edition).
International regulations	Waste disposal shall also comply with local and national regulatory requirements.

SECTION 16: Other Information**Revision Information**

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Organization unit	BIWEI Testing Technology (Shanghai) Co., Ltd.

References

1. GB/T 16483-2008 Safety data sheet for chemical products - Content and order of sections
2. GB/T 17519-2013 Guidance on the compilation of safety data sheet for chemical products

Sample picture	The material specification is only for the specified product.
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Disclaimer

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