

Material Safety Data Sheet (MSDS)

I. Item Name and Company Logo

Chemical Name (Chinese):CX936-5 Water-based insulating varnish
Company Name:Zhuhai Changxian New Material Technology Co., Ltd.
address:Langwan Road, Fine Chemical Industrial Zone, Gaolan Port Economic Zone, Zhuhai City
Email address: szwkb@changxiankeji.com
Fax number:+86-755-26689087
telephone number:+86-755-26852596 +86-755-26852597 +86-755-26864069
Company emergency contact number:+86-13802269905
National emergency hotline:+86-532-83889090

II. Identification of components:

Material composition	Content (W/W, %)	CAS NO
Waterborne modified epoxy emulsion	22-30	61788-97-4
Cosolvent	5-15	64-17-5, 112-76-2
Water-based additives	0.5-1	Trade secrets
Deionized water	65-75	7732-18-5

III. Hazard Identification Data:

Most important hazards and effects	Health hazards: Low to medium concentrations of steam (below 200 PPM) have minimal health effects.
	Environmental impact: None
	Physical and chemical hazards: None
	Special hazards: None
Main symptoms: After absorption through the skin, it has minimal impact on health and no visible symptoms. If accidentally ingested, it may irritate the esophagus and stomach, causing vomiting.	
Hazardous substance classification: IV (Mild hazard)	

IV. First Aid Measures:

First aid methods for different routes of exposure:
Skin contact: Wash your skin thoroughly with soap and water.
Eye contact: Lift your eyelids and rinse with running water or saline solution. Seek medical attention.
Inhalation: Quickly move to a place with fresh air.
Ingestion: Drink plenty of warm water and seek medical attention.
Protection for emergency responders: Not required.
Advice for doctors: none

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V. Firefighting Measures:

Applicable extinguishing agents: foam, carbon dioxide dry powder fire extinguishers.
Special hazards that may be encountered during firefighting: None
Special fire extinguishing procedures: none
Special protective equipment for firefighters: unnecessary.

VI. Leakage Handling Methods:

Personal precautions: Please wear gloves when using.
Environmental considerations: none
Cleaning method: Wash with tap water, and the washing solution will be treated in the wastewater system.

VII. Safe handling and storage methods:

Handling: 1.Non-flammable. 2.Store in a sealed container. 3.Keep out of reach of children.
Storage: 1.Store in a cool, dark, and well-ventilated warehouse at 5-35 °C.Shelf life is six months from the date of production. 2.Avoid direct sunlight. 3.Use and store according to the first-in, first-out principle.

VIII. Exposure Prevention Measures:

Engineering control:				
Control parameters:				
chemical substances	Eight-hour daily volume Average permissible concentration TWA	Short time duration Average permissible concentration STEL	Highest Permissible concentration CEILING	biomarkers BEIs
			200PPM	
Personal protective equipment:				
Respiratory protection: When working with high concentrations of solvents over short distances for extended periods, it is best to wear a solvent filter mask.				
Hand protection: Use rubber gloves				
Eye protection: Wear safety glasses				
Skin and body protection: Not required				
Hygiene measures: Wear protective equipment and wash your hands immediately after completing the work.				

IX. Physical and Chemical Properties:

Appearance: Milky white liquid, free of	Odor: Almost no smell
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mechanical impurities.	
Specific gravity: 1.030 ± 0.03	Viscosity (Ford-4, 25° C): 11-15 seconds
pH value: 7-9	Autoignition temperature: NA
Flash point: $>96^{\circ}\text{C}$	Solubility: Miscible with water

10. Stability and Reactivity

Stability: Stable
Potential adverse reactions under special circumstances: It may irritate the respiratory tract and cause excitement. Accidental ingestion may irritate the esophagus and stomach, causing vomiting. After absorption through the skin, it has minimal impact on health.
Situations to be avoided: Direct sunlight should be strictly avoided.
Substances to be avoided: None
Hazardous decomposition products: none

XI. Toxicity Information:

Acute toxicity: None
Local effects: None
To the point of sensitivity: Skin contact may cause skin allergies in some people.
Chronic or long-term toxicity: None
Special effects: None

XII. Ecological Environment

Potential environmental impacts / environmental risks: None

XIII. Waste Disposal Methods

Waste disposal method: Please refer to relevant government regulations for disposal (please hand it over to a licensed organic waste disposal company).

XIV. Transporting materials

International shipping regulations: United Nations Model Regulations for the Transport of Dangerous Goods
United Nations Number: GB 6944-2005
Domestic Transportation Regulations: Regulations on the Safety Management of Hazardous Chemicals
Special shipping methods and precautions:

XV. Legal Documents:

Applicable Laws: The Work Safety Law of the People's Republic of China
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XVI. Other Information

Data compilation department: Technical Department

Compiled on: June 24, 2025