

Material Safety Data Sheet

1. PRODUCT NAME: BWD-01 WATER DECOLORING AGENT

YiXing Bluwat Chemicals Co., Ltd

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization	Quaternary cationic polymer compound
Guamdine, cyane, polymer with ammonium chloride and formaldehyde	
CAS No.	55295-98-2

3. HAZARDS IDENTIFICATION

The product contains no substance which at their given concentration are considered to be hazardous to health.

Spills produce extremely slippery surfaces.

Health effects

Skin

May cause slight irritation

Eyes

May cause slight irritation

Ingestion

Low toxicity product

Physical/chemical properties

Not classified as hazardous

Environmental effects

Low acute LC50 to fish, but not expected to cause long-term adverse effects to the aquatic environment.

4. FIRST AID MEASURES

Inhalation:

Move to fresh air

Skin contact

Wash contaminated area with clean water.

Contaminated clothing should be washed before re-use.

Eye contact

Irrigate the eye with plenty of clean water. If there is any irritation obtain medical attention immediately.

Ingestion

Do not induce vomiting. Wash out mouth with water. Give water to drink. Seek medical attention..

5. FIRE-FIGHTING MEASURES

Extinguishing media	Foam, dry powder, carbon dioxide and Sand
Special protective equipment For firefighters	As for all fires involving chemicals: chemical protection suit, suitable gloves and boots, and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment/effective dust mask.
Environmental precautions	Do not let product enter drains. Do not contaminate surface water.
Methods for cleaning up	Shovel into suitable containers for disposal. Residues or small spillages shall be rubbed by cloth and wash it with clean water completely. It become very slippery on ground when contacting water.

7. HANDLING AND STORAGE

Handling precautions	Avoid contact with skin, eyes and clothing. When preparing the working solution ensure there is adequate ventilation. Do not breath vapours or spray mist. When using so not smoke.
Storage conditions	Avoid wet, damp and humid conditions. Keep in a dry, cool place. Avoid extremes of temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures to reduce exposure: Ensure adequate ventilation. Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal protection equipment:

-Respiratory protection:	in case of insufficient ventilation wear suitable respiratory.
-Eye protection:	Safety glasses with side-shields. Do not wear contact lones.

-Hand protection:	PVC or other plastic material gloves.
Industrial hygiene:	change contaminated clothing. Wash hand after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Color:	opaque
Odor:	slight
pH value:	4.0-6.0
Flash point(°C):	>100
Autoignition temperature(°C)	aqueous solution
Vapour pressure(mm Hg)	aqueous solution
Bulk density	1.22-1.25
Solubility in water	completely
Viscosity	200-1000

10. STABILITY AND REACTIVITY

Stability	Stable at ambient temperatures
Materials to avoid	Strong acid, strong alkali and anionic organic polymer
Hazardous decomposition	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

- Oral: The product is not expected to be toxic.
- Dermal: The product is not expected to be toxic.
- Inhalation: The product is not expected to be toxic.

Irritation:

- Skin: Prolonged skin contact may cause skin irritation and /or dermatitis.
- Eyes: May cause eye irritation with susceptible persons.

Sensitization: No data available.

12. Ecological Information

Ecotoxicity

- Fish: LC50/Brochydanio ratio/98h: 1 < > 10mg/l
- Algae: EC50/Scenedesmus subspicatus/72h: 1 < > 10mg/l

EC50/Skeietoneme constatum/72h-31.9mg/l

EC50/Arcatia tonse/120h-455mg/kg

-Daphnia: EC50/Daphnia magna/48h:10 <>100mg/l

EC50/Arcatia tonse/45h-158mg/l

Environmental effects:

The product is rapidly eliminated from the aquatic medium through irreversible adsorption onto suspended matter and dissolved organics.

13.DISPOSAL CONSIDERATIONS

Waste from residues/unused Products: Dispose of as special waste in compliance with local and national regulations.

Contaminated package: Dispose of as special waste in compliance with local and national regulations.

14.TRANSPORTATION INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15.REGULATORY INFORMATION

This product is not a hazardous article and need not to be labelled according to EC-Directives as amended.

16.OTHER INFORMATION

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The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properness of the product.