

Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	BWD-01 WATER DECOLORING AGENT
Chemical Names and Synonyms:	Cationic coagulant
Recommended use of the Chemical:	Water treatment application
Supplier:	Yixing Bluwat Chemicals Co., Ltd
Address:	Yongan Road, Yixing Chemical Industrial Park, Yixing, Jiangsu, China 214213
Emergency Phone:	+86 510-87821568
Email:	LKS@bluwat.com.cn

2. HAZARDS IDENTIFICATION

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

Spills produce extremely slippery surfaces.

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	May cause irritation of the digestive tract.
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Quaternary cationic polymer compound

CAS#	Chemical Name	Percentage
55295-98-2	Dicyandiamide Formaldehyde Resin	≥50%
7732-18-5	Water	<50%

4. FIRST AID MEASURES

Eyes Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Do not induce vomiting. Wash out mouth with water. Give water to drink. Seek medical attention.
Inhalation:	Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.

Material Safety Data Sheet

5. FIRE-FIGHTING MEASURES

Extinguishing Media:	Foam, dry powder, carbon dioxide and sand.
Autoignition Temperature:	Not available.
Explosion Limits:	Not available.
For firefighters:	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 becomes 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 breathe 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 Protective Equipment

Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory.
Eye Protection:	Safety glasses with side-shields. Do not wear contact lenses.
Industrial Hygiene:	Change contaminated clothing. Wash hand after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid
Appearance:	Colorless to light yellow
Odour:	Slight
PH Value:	3.0-6.0
Flash Point (°C):	>100°C
Vapour Pressure:	Not available
Vapour Density:	Not available
Viscosity(@20°C):	30-250cps

Material Safety Data Sheet

Freezing/Melting Point: -10°C
Solubility in Water: Easily and completely
Specific Gravity: 1.10-1.25

10. STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions of use, storage and temperature.
Conditions 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: Dispose of as special waste in compliance with local products and national regulations.
Contaminated Package: Dispose of as special waste in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations. None hazardous for air, sea and

Material Safety Data Sheet

road freight.

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

Person to contact: Mr. Ling Kunsheng
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Fax: +86 510 87821558

This MSDS summarises Bluwat Chemicals knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Telford Industries expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance.

Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.