

Description

Vital Super Clear is a high quality, environmentally sound, rapid acting coagulant. With up to two to three times more efficiency than other water treatment applications, Vital Super Clear is an Aluminium Chloralhydrate formulation that neutralises particulate charge, and allows coagulation and settling of particles.

Recommended Application

Suitable for use in sediment ponds and in various other water treatment applications with efficiency across a broad range of soil and sediment types.

Features

- Cost efficiency;
- Concentrated, high strength, low dosing;
- Easy to apply liquid;
- Automated or manual dosing system compatible;
- Efficient settling with excellent resultant clarity;
- pH range (6-9) compatible with reduced alkalinity consumption;
- Low trace element levels;
- Inert, re-usable sludge;
- Non-hazardous;
- No sulphates;
- Environmental and workplace safe product.

Specifications

Appearance	CLEAR TO OPAQUE LIQUID	Solubility (water)	SOLUBLE
Odour	ODOURLESS	Vapour pressure	NOT AVAILABLE
Flammability	NON FAMMABLE	Upper explosion limit	NOT RELEVANT
Flash point	NOT RELEVANT	Lower explosion limit	NOT RELEVANT
Boiling point	100°C	Partition coefficient	NOT AVAILABLE
Melting point	NOT AVAILABLE	Autoignition temperature	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE	Decomposition temperature	NOT AVAILABLE
pH	3.0 to 3.5	Viscosity	NOT AVAILABLE
Vapour density	NOT AVAILABLE	Explosive properties	NOT AVAILABLE
Relative density	1.3 to 1.4	Oxidising properties	NOT AVAILABLE
		Odour threshold	NOT AVAILABLE

Application Directions

Vital Super Clear is applied via dedicated dosing systems, top entry, and other typical flocculant dosing methods.

Vital Super Clear requires receiving water pH readings to be approximately 6 to 8 for optimum product performance.

Dosage Rates

Due to numerous variables and to prevent over dosage in water treatment applications, bench jar testing **must** be undertaken to determine the optimal dosage rate for **each** application.

General dosage rate applied to un-treated water is approximately 10 to 100 ppm.

Shelf Life

Shelf life is approximately 12 months when stored in accordance with the storage requirements listed on the Product Data Sheet.

Pre-diluted product should be used within 7 days as the shelf life may reduce once contaminants are introduced.

Storage

Vital Super Clear should be stored at a temperature of minimum 5°C to maximum 45°C.

Vital Super Clear must be kept in closed drums/containers/tanks out of direct sunlight. Containers must be closed tightly to avoid contact with air, which can contribute to product contamination.

Exposure to UV light and increased temperatures may reduce the shelf life or cause discoloration of this product - discoloration may not affect product efficacy. If discoloration occurs, bench testing must be undertaken to determine product efficacy.

Do not keep pre-diluted product for longer than 7 days as the shelf life may reduce once contaminants are introduced.

Packaging

Vital Super Clear is supplied in 20L drums and 1,000L IBCs.

Precautions

Vital Super Clear contains no hazardous substances requiring labelling. For more information, refer to the Safety Data Sheet.

Care should be taken to prevent **Vital Super Clear** being overdosed in water treatment applications and concentrated **Vital Super Clear** prevented from entering waterways and water systems. When applied correctly, little product should remain in the treated water discharged to the environment. It is the responsibility of the Principal Contractor to ensure that all pre-release jar / bench water testing is carried out on site water prior to any release to waterways.

For any further product or application advice or instruction, contact Vital Chemical Pty Ltd.

Contractors must undertake appropriate risk assessments to ensure the safe delivery of the product to the application area.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in the **Vital Chemical Pty Ltd** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **Vital Chemical Pty Ltd** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **Vital Chemical Pty Ltd**, are responsible for carrying out procedures appropriate to a specific application.
