

Introduction

PELICAN-101 is a cationic organic color removal coagulant.

PELICAN-101 is a highly cationic liquid grade coagulant. It is supplied in a solution form which is readily pumpable and easily applied to process water streams. PELICAN-101 is of low molecular weight.



Principal Uses

- PELICAN-101 can be used in a wide range of industries as a coagulant.
- The main use of PELICAN-101 is in the treatment of colored effluents from the textile industry.
- PELICAN-101 is particularly effective in the treatment of dyestuff where reactive dyes are present.
- PELICAN-101 will act as a single stage treatment, but in many cases its performance will be enhanced when used in conjunction with the appropriate flocculent DURACAT CRC, which will assist separation of the coagulated material from the supernatant liquors.

Specification

Physical Form	Colorless / off-white slightly viscous liquid
Solids Content	50% Minimum
Viscosity	Approximately 30-130cPs
Solubility in water	Infinite
pH	3-5

Application and Storage

PELICAN-101 can be added neat to the stream with the use of rigorous agitation. Alternatively it may be added as a solution. PELICAN-101 in its undiluted form exhibits good storage characteristics. At temperatures of 10°C - 25°C a shelf life in excess of 12 months is expected. Prolonged storage at temperatures outside of this range should be avoided where possible.

Corrosive Properties

PELICAN-101 is moderately corrosive towards mild steel, cast iron, aluminum and zinc surfaces and use of these should be avoided. Recommended materials of construction are stainless steel, fiber glass, polyethylene and polypropylene.

Packaging

Standard packaging for PELICAN-101 is 30 kg plastic drums.

Health and Safety

PELICAN-101 exhibits a very low order of oral toxicity and does not present any abnormal problems in its handling or general use.