



CHEMTRADE

<http://www.chemtradelogistics.com>

Hyper+Ion® 1000

PRODUCT DATA SHEET

CHARACTERISTICS

Hyper+Ion® 1000 is a light straw to yellow colored liquid. It is an advanced cationic coagulant and flocculant suitable for industrial and municipal water and wastewater treatment applications.

NSF/ANSI/CAN Standard 60: Drinking Water Chemicals - Health Effects; Certified

TYPICAL PROPERTIES

| | | | |
|----------|--|--|---------------|
| Formula: | Aluminum chloride solution | | |
| C.A.S. | 7446-70-0 (Aluminum chloride) | | |
| | pH (neat) | | Less than 2 |
| | Specific Gravity @ 21°C (70°F) | | 1.27 - 1.29 |
| | Freezing Point (approx.) | | -30°C (-22°F) |
| | Density, lbs./gal., US | | 10.6 - 10.8 |
| | Aluminum as Al, % | | 5.5 - 5.7 |
| | Aluminum as Al ₂ O ₃ , % | | 10.4 - 10.8 |
| | Aluminum as AlCl ₃ , % | | 27.2 - 28.2 |

PRODUCT USES

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking. Paper machine pitch control.

SHIPPING CONTAINERS

Bulk transport Bulk car 275 US gal. one-way container 55 US gal. plastic drum

SHIPPING REGULATIONS (US DOT / TDG)

Classification: Aluminum Chloride Solution
Hazard Class: 8 ID Number: UN2581 Packing Group: III
RQ: Not applicable

PRODUCT SAFETY INFORMATION

Harmful if swallowed. Causes severe skin burns and eye damage. Wash hands, forearms, and other exposed areas thoroughly after handling. Wear protective gloves, protective clothing, and eye protection. Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Safety Data Sheets (SDS)** for these products or you may contact Chemtrade at 416-496-5856. In the event of an emergency with these products, call the 24-hour **Emergency Number: USA and Canada (CHEMTREC) 800-424-9300**. For additional information contact:

Syracuse Technical Center
315-478-2323 or 800-255-7589

Water Treatment Chemicals
Customer Service 844-204-9675

CHE-6000P

Revision Date: May 1, 2020

All information, statements, data, advice and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representation or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. Chemtrade Logistics Inc. and its affiliates (collectively, "Chemtrade") are not engaged in the business of providing technical, operational, engineering or safety information for a fee, and, therefore, any such information provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry. Chemtrade shall not be responsible or liable for the use, application or implementation of the information provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors and agents.