

WATER SPECIALISTS TECHNOLOGIES LLC

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C-6 COAGULANT/FLOCCULANT

C-6 is an advanced cationic coagulant and flocculant suitable for municipal and industrial water and wastewater treatment, potable water treatment and paper and pulp machine applications.

Typical Properties

Formula: Aqueous solution of polyaluminum Hydroxychloride and approved flocculating agent. CAS: 1327-41-9 (polyaluminum hydroxychlorosulfate solution)

Appearance,	Clear to slightly hazy liquid
pH (neat)	2.0 – 2.5
Specific Gravity @ 70 ^o F	1.20 min.
Freezing Point,	22 ^o F(Approx)
Density, lbs/gal	10.84-11.01
Aluminum as Al, %	6.60 ∇ 0.5%
Chloride as Cl, %	9.0 ∇ 0.3%
Basicity, %	70% ∇ 5%

Product Uses

C-6 is utilized in municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Other applications include sludge compaction and volume reduction, lagoon treatment, emulsion breaking, oily wastewater clarification and dissolved air flotation.

Advantages

- Reduced Sludge
- Excellent Finished Water Quality
- Less pH Adjustment
- Lower Operating Costs
- Better Cold Water Performance

Material of Construction

Plastic lined steel tanks, fiberglass tank or corrosion resistant plastic are preferred materials of construction. Black iron, mild steel, zinc, aluminum, and magnesium are not recommended. PVC pump heads and feed lines are recommended

Shipping Containers: 55 gallon plastic drums; 275 gallon IBC/Totes; Bulk transport

Shipping Regulations

DOT Proper Shipping Name:	Corrosive Liquid, N.O.S.
DOT Hazard Class:	8
DOT Packaging Group:	III
I.D. NUMBER:	1760
DOT Label Required:	Corrosive
RQ+ 18,000	

DOT ID: Corrosive Liquid, acidic, inorganic, N.O.S. (contains Polyaluminum Hydroxychlorosulfate Solution), 8, UN 1760 Pg III

Product Safety Information

C-6 requires care in handling. 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 Material Safety Data Sheets for this product. In the event of an emergency with this product, call the emergency **24 hour Chemtrec Hotline 1-800-424-9300**.

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