

Material Safety Data Sheet

Section I General Information

Trade Name: **HYDROFLOC 800**

Chemical Name & Synonyms: N/A Multi-component System

Chemical Family: Polyaluminum Hydroxychloride

Formula: Proprietary

Address:

AQUA BEN CORPORATION

1390 N. Manzanita St.

Orange, CA 92867

Phone: 714/771-6040

FAX: 714/771-1465

Date: October 97

Section II First Aid Measures

Emergency Phone Number 949/582-3100

Eyes: Flush immediately with water, continuing for at least 15 minutes. If irritation persists, get medical attention.

Skin: Flush with plenty of water, removing contaminated clothing. If irritation develops, get medical attention.

Inhalation: Promptly remove to fresh air.

Ingestion: If conscious, immediately give large quantity of water or milk. DO NOT INDUCE VOMITING. Get medical assistance.

Section III Hazards Information

Health

Inhalation: if mist is formed, it will irritate mucous membranes and respiratory tract

Ingestion: can cause irritation of the mouth & gastrointestinal tract

Skin: contact may cause severe reddening and swelling

Eyes: may strongly irritate or burn eyes

Permissible Concentration: air (see section X)

ACGIH/TLV: 2 mg (Al)/M³

OSHA/PEL: none established

Biological: no data available

Unusual Chronic Toxicity: no known chronic toxicity

Fire & Explosion

Flash Point: not flammable

Auto Ignition: n/a

Flammable Limits in Air (% by volume): n/a

Unusual Fire & Explosion Hazards: hydrogen chloride vapors may form at elevated temperatures

Section IV Precautions/Procedures

Fire Extinguishing Agents Recommended: n/a

Fire Extinguishing Agents to Avoid: n/a

Special Fire Fighting Precautions: Wear self-contained breathing apparatus approved by NIOSH. Use water spray to keep containers cool.

Ventilation: Use local exhaust if misty condition prevails.

Normal Handling: Avoid contact with skin, eyes, or clothing. Avoid inhalation of mist or fumes.

Storage: Store in plastic or rubber-lined containers. Store in a cool place.

Spill or Leak: Dike area to contain spill. Neutralize spilled material with alkali such as soda ash. When using carbonates for neutralization, adequate precautions should be taken to minimize hazards from CO² gas.

Special Precautions/Procedures/Label Instructions/Bulk shipment tag signal word:

Warning: Causes irritation to eyes and skin. Harmful if swallowed. Wash thoroughly after handling.

Section V Personal Protective Equipment

Respiratory Protection: Where required, use a respirator approved by NIOSH for mists.

Eyes & Face: Wear hard hat (or other head covering) and chemical safety goggles. Do **not** wear contact lenses.

Hands, Arms & Body: Wear impervious gloves & apron and full work clothing, including long sleeve shirt, trousers and boots. Completely impervious clothes should be substituted if there is prolonged or repeated contact. Launder contaminated clothing before reuse.

Other Clothing/Equipment: Eye-wash & quick-drench shower facilities.

Section VI Physical Data

Material is (at normal condition): liquid

Appearance & Odor: amber/clear colored liquid, negligible odor

Boiling Point: ~ 112.5°C

Melting Point: ~ -10°C

Specific Gravity (H₂O = 1): 1.34

Vapor Density (air = 1): n/a

Vapor Pressure: n/a

pH: 4.0 (neat)

Solubility in Water (% by weight): 100%

Evaporation Rate: n/a

% Volatile (by volume at 20°C): n/d

Section VII Reactivity Data

Stability: stable

Condition to Avoid: high temperature

Incompatibility/Materials to Avoid: metals such as iron or steel which are
subject to corrosion

Hazardous Decomposition Products: at elevated temperatures, HCL vapor may be
generated

Hazardous Polymerization: will not occur

Conditions to Avoid: n/a

Section VIII Hazardous Ingredients

Material or Component/CAS #

Hazard Data (see section X)

None

Section IX Environmental

Degradability/Aquatic Toxicity: no data available

Octanol/Water Partition Coefficient: no data available

EPA Hazardous Substance (Clean Water Act Section 311): no

If so Reportable Quantity: 40 CFR 116-117

Waste Disposal Methods: Disposer must comply with Federal, State, and
Local disposal or discharge laws. Treatment or disposal of waste
generated by use of this product should be reviewed in terms of applicable
federal, state, and local laws and regulations. Users are advised to consult
with appropriate regulatory agencies before discharging, treatment or
disposing of this material.

Section X References

PERMISSIBLE CONCENTRATION REFERENCES: TLV: ACGIH 1986-7 list
“Threshold limit values for chemical substances. . .”

Regulatory Standards

DOT Classification: Corrosive Material 49 CFR

Sittig, M. “Handbook of Toxic and Hazardous Chemicals and Carcinogens”
2nd Ed. 1985

ACGIH: “Documentation of TLV’s” 4th Ed. 1980

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