

**MEGAFLOC 891****1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** MEGAFLOC 891  
**Common Name:** MIXTURE  
**SDS Number:** 0006  
**Product Code:** WT0002  
**Revision Date:** 8/25/2015  
**Version:** 2  
**Internal ID:** 100C  
**Product Use:** Wastewater treatment coagulant  
**Supplier Details:** U.S. Water Services  
12270 43rd St. NE  
St. Michael, MN 55376

**Contact:** Non-emergency contact:  
**Phone:** 866-663-7632  
**Email:** SDS@USWaterServices.com  
**Web:** www.uswaterservices.com

**EMERGENCY RESPONSE: (ChemTel)**  
**US & Canada: 800-255-3924**  
**International: +01-813-248-0585**

**2 HAZARDS IDENTIFICATION****Classification of the Substance or Mixture**

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**  
Health, Skin corrosion/irritation, 3

**GHS Label Elements, Including Precautionary Statements**

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**

no GHS pictograms indicated for this product

**GHS Hazard Statements:**

H316 - Causes mild skin irritation

**GHS Precautionary Statements:**

P332+313 - If skin irritation occurs: Get medical advice/attention.

**Hazards not Otherwise Classified (HNOC) or not Covered by GHS**

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

**3 COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients:**

**MEGAFLOC 891**

Cas#	%	Chemical Name
12042-91-0	50%	Aluminum chloride hydroxide

**4 FIRST AID MEASURES**

- Inhalation:** Vapors or mists are very corrosive to the nose, throat, and mucous membranes. Remove from contamination. If symptoms persist, seek medical attention.
- Skin Contact:** Prolonged or repeated contact may cause skin irritation Wash off with soap and plenty of water. Consult a physician if irritation develops.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.
- Ingestion:** Do not induce vomiting. Drink large quantities of water. Get prompt, qualified medical attention.

**Most important symptoms & effects (acute & delayed):** No data available

**Indication of need for immediate medical attention:** No data available

**Special treatment needs:** No data available

**5 FIRE FIGHTING MEASURES****Extinguishing Media:**

**Suitable:** Use extinguishing media suitable for surrounding fire.

**Unsuitable:** No information available

**Hazardous combustion products:** Hazardous decomposition products formed under fire conditions- Carbon oxides, and other hazardous compounds

**Unusual Fire or Explosion Hazards:** None known

**Special protective equipment/precautions:** Wear self-contained breathing apparatus

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective equipment, emergency procedures:** Avoid contact with the material. See section 8 of SDS for PPE recommendations

**Environmental Precautions:** Keep runoff from entering drains or waterways

**Spill/Leak procedures:** Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

**Regulatory Requirements:** Dispose of recovered material in accordance with all applicable state and federal regulations.

**7 HANDLING AND STORAGE**

**Handling Precautions:** Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

**Storage Requirements:** Store in closed containers away from temperature extremes and incompatible materials. Do not store in mild steel, carbon steel, or copper alloys. Rapidly corrodes most materials. Store in properly labeled containers in accordance with all local, state

**MEGAFLOC 891**

and federal guidelines.

**8****EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Provide local exhaust ventilation as needed to control misting.  
**Personal Protective Equipment:** HMIS PP, C | Safety Glasses, Gloves, Apron

Respiratory protection: If needed use MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)  
Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.  
General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.  
PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

**Exposure Limits:**  
OSHA (TWA)/PEL: Not Established  
ACGIH (TWA)/TLV: Not Established

**9****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear to amber liquid	<b>Odor:</b>	Little to no odor
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Completely soluble in water
<b>Odor Threshold:</b>	No data available	<b>Heat Value:</b>	No data available
<b>Particle Size:</b>	No data available	<b>Freezing/Melting Pt.:</b>	No data available
<b>Spec Grav./Density:</b>	11.18 lb/gal	<b>Flash Point:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Boiling Point:</b>	230°F	<b>Auto-Ignition Temp:</b>	No data available
<b>Flammability:</b>	Nonflammable	<b>UFL/LFL:</b>	No data available
<b>Partition Coefficient:</b>	No data available		
<b>Vapor Pressure:</b>	No data available		
<b>pH:</b>	4-5		
<b>Evap. Rate:</b>	No data available		
<b>Decomp Temp:</b>	No data available		

**10****STABILITY AND REACTIVITY**

**Chemical Stability:** Product is stable under normal storage and use conditions.  
**Conditions to Avoid:** No data available  
**Materials to Avoid:** Mild steel, carbon steel, and copper alloys. Rapidly corrodes most materials.  
**Hazardous Decomposition:** None under normal storage conditions.  
**Hazardous Polymerization:** Will not occur.

**MEGAFLOC 891****11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** No data available  
**Skin Corrosion/Irritation:** No data available  
**Serious eye damage/irritation:** No data available  
**Respiratory or skin sensitization:** No data available  
**Germ cell mutagenicity:** No data available  
**Carcinogenicity:** No data available  
**Reproductive Toxicity:** No data available  
**Specific target organ toxicity (single exposure):** No data available  
**Specific target organ toxicity (repeated exposure):** No data available  
**Aspiration hazard:** No data available

**12 ECOLOGICAL INFORMATION****Aquatic Toxicity**

<b>Species</b>	<b>48hr LC<sub>50</sub></b>	<b>96hr LC<sub>50</sub></b>
<i>Ceriodaphnia dubia</i>	>2,000 mg/L	n/a
<i>Daphnia pulex</i>	7,071 mg/L	n/a
Fathead minnow	3,675 mg/L	>1,000 mg/L

**Elimination (persistence & degradability):** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**Other adverse effects:** No data available

**13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

**14 TRANSPORT INFORMATION**

**Proper Shipping Name:** Non-regulated

DOT Transportation data (49 CFR 172.101)

See section 15 for information on Reportable Quantity chemicals (RQ)

---

## MEGAFLOC 891

---

<b>15</b>	<b>REGULATORY INFORMATION</b>
-----------	-------------------------------

**Component (CAS#) [%] - CODES**

-----  
 Aluminum chloride hydroxide (12042-91-0) [50%] TSCA

**Regulatory CODE Descriptions**

-----  
**TSCA = Toxic Substances Control Act**

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory  
**EPA / CERCLA / SARA TITLE III:**

**CERCLA List:** This product does not contain any CERCLA listed hazardous substances.

**Toxic Chemical List (SARA 313):** This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

**Extremely Hazardous Substance (SARA 302/304):** This product does not contain any extremely hazardous substances subject to emergency planning requirements.

**SARA 312:** No data available

**RCRA:** No data available

<b>16</b>	<b>OTHER INFORMATION</b>
-----------	--------------------------

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0

HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS		
HEALTH	■	1
FLAMMABILITY	■	0
PHYSICAL HAZARD	■	0
PERSONAL PROTECTION	■	C

**Author:** U.S. Water Services

**Revision Notes:** Updated to GHS format

**Disclaimer:**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s). The above information is not claiming characteristics of the product in term of legal claims of performance / guarantee. This information only describes safety measures and no liability may arise from the use or application of the product described herein. This information is given in good faith and based on our current knowledge of the product.