MATERIAL SAFETY DATA SHEET
FLOCON 885

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME FLOCON 885
CHEMICAL NAME Sodium salt of specialized polycarboxylic acid
PRODUCT USE Scale/deposit control additive
SUPPLIER BWA Water Additives US LLC
1979 Lakeside Parkway
Suite 925, Tucker, GA30084.
T: (800) 600-4523.
(technical/commercial enquiries)
E: MSDS@wateradditives.com

EMERGENCY TELEPHONE
Chemetrec Phone: 1-800-424-9300

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION
May cause irritation to the respiratory system.

INGESTION
May cause discomfort if swallowed. May cause stomach pain or vomiting.

SKIN CONTACT
Non Irritant

EYE CONTACT
Non irritant

3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION COMMENTS
Aqueous solution of sodium salts of polycarboxylic acid

4 FIRST-AID MEASURES

INHALATION
Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

INGESTION
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT
Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES
FLOCON 885

EXTINGUISHING MEDIA
Use: Water spray, fog or mist. Foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES
Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS
No unusual fire or explosion hazards noted.

PROTECTIVE MEASURES IN FIRE
Leave danger zone immediately. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Follow precautions for safe handling described in this material safety data sheet. For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS
Avoid release to the environment. To prevent release, place container with damaged side up.

SPILL CLEAN UP METHODS
Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

HANDLING
Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

STORAGE
Do NOT use container made of: Carbon steel. Keep containers tightly closed. Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS
No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT
No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION
Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances.
It has been found that gloves made from rubber, neoprene or PVC provide short-term splash protection.

EYE PROTECTION
Wear approved safety goggles.

OTHER PROTECTION
Wear appropriate clothing to prevent repeated or prolonged skin contact.
FLOCON 885

HYGIENE MEASURES
No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

SKIN PROTECTION
Wear apron or protective clothing in case of splashes.

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE</td>
<td>Liquid</td>
</tr>
<tr>
<td>COLOR</td>
<td>Amber.</td>
</tr>
<tr>
<td>ODOR</td>
<td>Slight odor.</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Miscible with water</td>
</tr>
<tr>
<td>BOILINGPOINT (°C)</td>
<td>100 - 102</td>
</tr>
<tr>
<td>MELTINGPOINT (°C)</td>
<td>&lt; -5</td>
</tr>
<tr>
<td>pH-VALUE, CONC.</td>
<td>8 - 9</td>
</tr>
<tr>
<td>SOLUTION</td>
<td></td>
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<tr>
<td>PARTITION COEFFICIENT</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>(N-Octanol/Water)</td>
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</table>

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID
Avoid contact with acids.

MATERIALS TO AVOID
Strong acids. Strong oxidizing substances.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50
> 5000 mg/kg (oral rat)

TOXICOLOGICAL INFORMATION
Ames Test negative

INHALATION
May cause irritation to the respiratory system.

INGESTION
May cause discomfort if swallowed. May cause stomach pain or vomiting.

SKIN CONTACT
Non Irritant

EYE CONTACT
Non irritant

12 ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
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<tbody>
<tr>
<td>LC 50, 96 Hrs, FISH mg/l</td>
<td>&gt;2500</td>
</tr>
<tr>
<td>EC 50, 48 Hrs, DAPHNIA,</td>
<td></td>
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<tr>
<td>mg/l</td>
<td>&gt;1000</td>
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</table>

DEGRADABILITY
The product is expected to be biodegradable.

13 DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT
When handling waste, consideration should be made to the safety precautions applying to handling of the product.
FLOCON 885

DISPOSAL METHODS
Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Liquid material should be incinerated. Material absorbed onto sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal.

14 TRANSPORT INFORMATION

TRANSPORT NOTES
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

RAIL TRANSPORT NOTES
Not Classified

SEA TRANSPORT NOTES
Not Classified

AIR TRANSPORT NOTES
Not Classified

ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT
No.

DOT HAZARD CLASS
Not regulated.

U.S DOT HAZARD LABEL
No DOT label requirement noted

MARINE POLLUTANT
No.

15 REGULATORY INFORMATION

INVENTORIES

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAN</th>
<th>US</th>
<th>EU</th>
<th>AUS</th>
<th>JAP</th>
<th>KOR</th>
<th>CHN</th>
<th>PHLP</th>
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<tbody>
<tr>
<td>POLYMALEIC ACID SODIUM SALT</td>
<td>DSL</td>
<td>Yes</td>
<td>EINECS</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>TSCA 12(b) Export Notification</th>
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<tbody>
<tr>
<td>POLYMALEIC ACID SODIUM SALT</td>
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US FEDERAL REGULATIONS

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<tr>
<th>COMPONENT</th>
<th>SARA 302-TP</th>
<th>CERCLA-RQ</th>
<th>SARA 313</th>
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<tbody>
<tr>
<td>POLYMALEIC ACID SODIUM SALT</td>
<td>No</td>
<td>No</td>
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CLEAN AIR ACT

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<tr>
<th>COMPONENT</th>
<th>CAA Accidental Release Prevention</th>
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<td>POLYMALEIC ACID SODIUM SALT</td>
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US STATE REGULATIONS

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<th>COMPONENT</th>
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<th>FL</th>
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<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
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<tbody>
<tr>
<td>POLYMALEIC ACID SODIUM SALT</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
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REGULATORY STATUS (US)
SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required. TSCA: The ingredients of this product are on the TSCA Inventory.

REGULATORY REFERENCES

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHMIS

LABEL(S) FOR SUPPLY
FLOCON 885

CONTROLLED PRODUCT CLASSIFICATION
This Product has been classified according to the hazard criteria of the Controlled Products Regulations and the MSDS contains all required information.

16 OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

<table>
<thead>
<tr>
<th>CATEGORY</th>
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<tr>
<td>HEALTH</td>
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<td>FLAMMABILITY</td>
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<td>PHYSICAL</td>
<td>0</td>
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<tr>
<td>PERSONAL PROTECTION</td>
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NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>HEALTH</td>
<td>(1)</td>
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<tr>
<td>INSTABILITY</td>
<td>(0)</td>
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<tr>
<td>SPECIAL</td>
<td>N/A</td>
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<tr>
<td>FIRE</td>
<td>(0)</td>
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GENERAL INFORMATION
For advice on chemical emergencies, spillages, fires or first aid in relation to this product please contact the relevant emergency number below:

- EU/English Speakers - +44 (0) 1235 239 670 (NCEC)
- Arabic Speakers - +44 (0) 1235 239 671
- Asia/Pacific countries - +65 3158 1074
- For emergencies within China - +86 10 5100 3039

REVISION COMMENTS
New MSDS

DISCLAIMER
For safety reasons it is IMPERATIVE that customers:-

1. Ensure that all those within their control who use the products are supplied with all relevant information contained within the Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.

2. Consult BWA Water Additives before using or supplying the product for any other applications. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.