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**1. IDENTIFICATION****Product information**

**Product name**  
**SUPERFLOC A-130HMW**

**Recommended use of the chemical and restrictions on use****Use of the Substance/Mixture**

Water treatment chemical

**Recommended restrictions on use**

Do not use for other purposes than the identified uses.

**Supplier's details**

Kemira Water Solutions, Inc.  
1000 Parkwood Circle, Suite 500  
30339 Atlanta USA  
Telephone+17704361542, Telefax. +17704363432

HEAD OFFICE  
Kemira Oyj  
P.O. Box 330  
00101 HELSINKI  
FINLAND  
Telephone +358108611 Telefax +358108621124

**Emergency telephone number**

CHEMTREC (24 Hours): 1-800-424-9300

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**2. HAZARDS IDENTIFICATION****GHS Classification**

The material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard's (29CFR 1910.1200) implementation of the Globally Harmonized System (GHS), i.e., material is not a dangerous substance or mixture requiring GHS classification according to the US GHS regulations.

**GHS-Labeling**

Product is not hazardous under US GHS.

### Hazard(s) not otherwise classified (HNOC) or not covered/classified by GHS

**Advice;** Forms slippery/greasy layers with water.

**Potential environmental effects;** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substances /Mixtures

Contains no hazardous ingredients according to GHS

### Further information

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

## 4. FIRST AID MEASURES

### Description of first aid measures

#### General advice

#### Inhalation

No hazards which require special first aid measures. Remove to fresh air.

#### Skin contact

Wash off with soap and water.

#### Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. If possible use lukewarm water.

#### Ingestion

Rinse mouth with water. Call a physician if symptoms occur. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Hazards : No information available.

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**5. FIREFIGHTING MEASURES****Suitable extinguishing media**

Water spray

Carbon dioxide (CO<sub>2</sub>)

Dry chemical

**Unsuitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special hazards arising from the substance or mixture**

Dust may form explosive mixture in air.

**Special protective actions for fire-fighters**

Wear self-contained breathing apparatus and protective suit.

Use NIOSH/MSHA approved respiratory protection.

**Further information**

In the event of fire, cool tanks with water spray.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

For personal protection see section 8.

**Environmental precautions**

Should not be released into the environment.

**Methods and materials for containment and cleaning up**

Product becomes slippery when it is wet. Take up mechanically and collect into suitable containers for disposal. After cleaning, flush away traces with water.

**Additional advice**

For personal protection see section 8.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Avoid dust formation during handling. For personal protection see section 8.

**Conditions for safe storage, including any incompatibilities**

Store in original container.

**Materials for packaging**

Unsuitable material: To avoid product degradation and equipment corrosion, do not use iron, copper or

aluminium containers or equipment.

**Materials to avoid:**

Strong oxidizing agents

**Storage stability:**

Storage temperature 40 - 90 °F

Other data Reason:  
integrity

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Contains no substances with occupational exposure limit values.

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

**Individual protection measures, such as personal protective equipment**  
**Industrial Hygiene**

Handle in accordance with good industrial hygiene and safety practice.

**Respiratory protection**

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

**Hand protection**

Glove material: Impervious gloves, Permeability tests are not available for this product. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

**Skin and body protection**  
Protective clothing.

**Eye protection**  
Safety goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Physical state                          | solid                                                    |
| Form                                    | granular                                                 |
| Colour                                  | white                                                    |
| Odour                                   | odourless                                                |
| Odour Threshold                         | Not applicable                                           |
| pH                                      | 7 - 9 ( 0.5 %)<br>(as aqueous solution)                  |
| Freezing point/Melting point :          | not determined                                           |
| Initial boiling point and boiling range | Not applicable                                           |
| Flash point                             | Not applicable                                           |
| Evaporation rate                        | No data available                                        |
| Flammability (solid, gas)               | No data available                                        |
| Explosive properties:                   |                                                          |
| Lower explosion limit                   | No data available                                        |
| Upper explosion limit                   | No data available                                        |
| Oxidizing properties                    | The substance or mixture is not classified as oxidizing. |
| Vapour pressure                         | Not applicable                                           |
| Relative vapour density                 | No data available                                        |
| Relative density                        | No data available                                        |
| Bulk density                            | 650 - 850 kg/m <sup>3</sup>                              |
| Solubility(ies):                        |                                                          |
| Water solubility                        | Limited by viscosity.                                    |
| Partition coefficient: n-octanol/water  | Not applicable                                           |
| Auto-ignition temperature               | > 150 °C                                                 |
| Decomposition temperature               | 302 °F                                                   |
| Viscosity:                              |                                                          |

|                             |                                                          |
|-----------------------------|----------------------------------------------------------|
| <b>Viscosity, dynamic</b>   | Not applicable                                           |
| <b>Viscosity, kinematic</b> |                                                          |
| <b>Oxidizing potential</b>  | The substance or mixture is not classified as oxidizing. |
| <b>Surface tension</b>      | Not applicable                                           |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### Conditions to avoid

Material is stable under normal conditions.

### Incompatible materials

Strong oxidizing agents

### Hazardous decomposition products

Ammonia  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)

302 °F

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute oral toxicity

Conclusion: The following toxicological data shown are those obtained from tests on products of similar composition.

LD50/Rat/> 5,000 mg/kg

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|                                          |                                                                               |
|------------------------------------------|-------------------------------------------------------------------------------|
| <b>Acute inhalation toxicity</b>         | LC50/Rat/4 h/> 20 mg/lRemarks: estimated                                      |
| <b>Acute dermal toxicity</b>             | LD50/Rabbit/> 2,000 mg/kg                                                     |
| <b>Skin corrosion/irritation</b>         | Conclusion: No skin irritation                                                |
| <b>Serious eye damage/eye irritation</b> | Conclusion: No eye irritation                                                 |
| <b>Respiratory or skin sensitisation</b> |                                                                               |
| <b>Skin sensitisation</b>                | Conclusion: Not sensitizing.                                                  |
| <b>Germ cell mutagenicity</b>            |                                                                               |
| <b>Genotoxicity in vivo</b>              | Conclusion: Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>                   |                                                                               |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met.             |
| <b>Reproductive toxicity</b>             |                                                                               |
| <b>Toxicity for reproduction</b>         | Conclusion: Based on available data, the classification criteria are not met. |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

#### Aquatic toxicity

LC50/96 h/Branchydanio rerio (zebra fish)/Acute toxicity/OECD Test Guideline 203: > 100 mg/l

Remarks: fresh water

Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

EC50/48 h/Daphnia magna (Water flea)/Immobilization/OECD Test Guideline 202: > 100 mg/l

IC50/72 h/Selenastrum capricornutum (green algae)/Growth inhibition/OECD Test Guideline 201: > 100 mg/l

#### Toxicity to other organisms

No data available

#### Persistence and degradability

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Biological degradability:  
CO2 Evolution Test/OECD Test Guideline 301B/28 d: < 70 %

The polymeric ingredient is not readily biodegradable, but degradable by hydrolysis.

### Bioaccumulative potential

Partition coefficient: n-octanol/water: Not applicable

### Mobility in soil

Water solubility: Limited by viscosity.  
Surface tension: Not applicable

### Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product</b>                | Recycling, recovery and reuse of materials is recommended if permitted by regulations.If recycling is not practicable, dispose of in compliance with local regulations. |
| <b>Contaminated packaging</b> | If recycling is not practicable, dispose of in compliance with local regulations.                                                                                       |

## 14. TRANSPORT INFORMATION

### Land transport

Not classified as dangerous in the meaning of transport regulations.

### Sea transport

Not classified as dangerous in the meaning of transport regulations.

### Air transport

Not classified as dangerous in the meaning of transport regulations.

### Special precautions for user

No data available

### 15. REGULATORY INFORMATION

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### SARA Title III Section 311 Categories

No SARA Hazards

##### SARA 302 Extremely Hazardous Substances

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### SARA 313 - Specific Toxic Chemical Listings

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### CERCLA Hazardous substance (Reportable Quantities)

| Chemical name | CAS-No. | Reportable quantity |
|---------------|---------|---------------------|
| None Present  |         | 0 kg                |

##### California Proposition 65

Remarks: WARNING: This product contains a chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Acrylamide (79-06-1) < 0.05 %

##### Notification status

|                |   |                                                                                                                                                                                                   |
|----------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USA            | : | All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory.                           |
| Canada         | : | All components of this product are included in the Canada Domestic Substance List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL).                             |
| European Union | : | All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.                                        |
| Australia      | : | All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS). |
| China          | : | All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.                                                                   |
| Japan          | : | All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.                                                   |
| South Korea    | : | All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean                                                                          |

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|             |                                                                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Philippines | : (ECL) inventory.<br>All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory. |
| New Zealand | : All components of this product are included in the New Zealand inventory (NZIoC) or are not required to be listed on the New Zealand inventory(NZIoC).                    |
| Taiwan      | : All components of this product are included on the Taiwan Toxic Chemical Substances Control Act Inventory.                                                                |

## 16. OTHER INFORMATION

### HMIS Rating

Health: 0

Flammability: 1

Reactivity: 0

### NFPA Rating

Health: 0

Fire: 1

Reactivity: 0

### Training advice

Read the safety data sheet before using the product.

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This Safety Data Sheet is prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200), an adoption of the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Revision 3 by Kemira.

### Sources of key data used to compile the Safety Data Sheet

Regulations, databases, literature, own tests.

### Additions, Deletions, Revisions

Relevant changes have been marked with vertical lines.

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