

FennoFloc A 10


Ref. /US/EN

Revision Date: 01/31/2017

Previous date: 02/18/2016

Print Date:04/20/2017

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information****Product name**
FennoFloc A 10**Recommended use of the chemical and restrictions on use****Use of the Substance/Mixture****Supplier's details**Kemira Chemicals, Inc.
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30339 Atlanta USA
Telephone+17704361542, Telefax. +17704363432HEAD OFFICE
Kemira Oyj
P.O. Box 330
00101 HELSINKI
FINLAND
Telephone +358108611 Telefax +358108621124**Emergency telephone number**CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**Skin irritation; Category 2; Causes skin irritation.;
Eye irritation; Category 2A; Causes serious eye irritation.;
Specific target organ toxicity - single exposure; Category 3; May cause respiratory irritation.; Respiratory Tract;**GHS-Labeling**

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	<p>Hazard statements:</p> <p>H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.</p>
Precautionary statements	:	<p>Prevention:</p> <p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash face, hands and any exposed skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>Response:</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P321 Specific treatment (see supplemental first aid instructions on this label). P332 + P313 If skin irritation occurs: Get medical advice/ attention. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/ physician if you feel unwell.</p> <p>Storage:</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.</p> <p>Disposal:</p> <p>P501 Dispose of contents/container as special waste in compliance with local and national</p>

regulations.

Hazardous components which must be listed on the label:

- 53810-32-5 Aluminum hydroxide sulfate

Other hazards which do not result in classification

Advice; Irritating to eyes, respiratory system and skin. Gastrointestinal irritation

Inhalation; May cause irritation of respiratory tract.

Skin; Causes moderate skin irritation.

Eyes; Causes moderate eye irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances /Mixtures**Further information**

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

This product contains WHMIS regulated (hazardous) components.

4. FIRST AID MEASURES

Description of first aid measures**Inhalation**

If breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Obtain medical attention.

Skin contact

Wash off immediately with plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists. Contaminated clothing should be washed or dry-cleaned before re-use.

Eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion

Obtain medical attention. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water.

Most important symptoms and effects, both acute and delayed**5. FIREFIGHTING MEASURES****Suitable extinguishing media**

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

Special hazards arising from the substance or mixture

Not combustible. Thermal decomposition products: hydrogen chloride (HCl), aluminium compounds, Sulphur oxides, irritating and/or toxic gases and vapours

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use NIOSH/MSHA approved respiratory protection.

Further information

Cool containers/tanks with water spray.

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

Wear personal protective equipment.

Environmental precautions

Should not be released into the soil, surface water or ground water system. Must be disposed of in accordance with local and national regulations.

Methods and materials for containment and cleaning up

Small amounts:

Absorb with materials such as; Clay. or Neutralize with lime or soda. Collect for subsequent disposal.

Large amounts:

In case of large spillage, contain by damming up. Collect by pump or with suitable inert absorbent material. Neutralize with lime or soda. Flush away traces with water.

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7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Wash contact areas after handling. Container may be hazardous when empty.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place.

Materials for packaging

Suitable material: Stainless steel, rubber-coated steel, plastic, plastic with fiberglass reinforcement

Unsuitable material: Common metal.

Materials to avoid:

Avoid contact with metals such as; steel, Iron, aluminium, brass, mineral acids, Alkaline materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Form of exposure	Control parameters	Update	Basis
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Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Ensure adequate ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.

When using do not eat, drink or smoke. Wash hands before eating, drinking, or smoking.

Individual protection measures, such as personal protective equipment

Respiratory protection

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

Hand protection

Wear protective gloves.

Skin and body protection

Wear suitable protective clothing.

Eye protection

Tightly fitting safety goggles or face-shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	, liquid
Colour	clear
Odour	none
pH	3 - 3.8
Freezing point :	41 °F
Flash point	non flammable
Density	1.26 - 1.35 g/cm ³
Solubility(ies):	
Water solubility	completely soluble
Volatile organic content (VOC)	Not applicable

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability

Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerisation does not occur.
Stable under recommended storage conditions.

Conditions to avoid

Conditions to avoid: Avoid extreme temperatures.

Incompatible materials

Materials to avoid: Avoid contact with metals such as;
steel
Iron
aluminium
brass

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mineral acids
Alkaline materials

Hazardous decomposition products

Hazardous decomposition products:

Thermal decomposition products:
Sulphur oxides
Aluminium oxide**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute oral toxicity**

Remarks: No data available

Skin corrosion/irritation

Remarks: No data available

Respiratory or skin sensitisation**Skin sensitisation**

Remarks: No data available

Carcinogenicity**Carcinogenicity**

Remarks: No known carcinogenic effects.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects****Aquatic toxicity**

Remarks: No data available

Toxicity to other organisms

Remarks: No data available

Persistence and degradability**Bioaccumulative potential**

Remarks: No data available

Mobility in soil

Water solubility: completely soluble

Other adverse effects**13. DISPOSAL CONSIDERATIONS**

Product	Must be disposed of in accordance with local and national regulations. EPA Hazardous Waste - D002.
Contaminated packaging	Packages that cannot be cleaned must be disposed of the same way as the unused product.

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**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****SARA Title III Section 311 Categories**

Immediate (Acute) Health Effects: Yes;
Delayed (Chronic) Health Effects: No;
Fire Hazard: No;
Sudden Release Of Pressure Hazard: No;
Reactivity Hazard: No;

SARA 313 - Specific Toxic Chemical Listings

None Present ()

WHMIS Classification

D2B Toxic Material Causing Other Toxic Effects

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Aluminum hydroxide sulfate (53810-32-5)

California Proposition 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
None Present ()

Notification status

- :
- : 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.
- : 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).
- : 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).
- : All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.
- : All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory.
- : All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory.
- : All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.
- : 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.
- : 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).
- : This product's Taiwan Toxic Chemical Substances Control Act Inventory status has NOT been determined.

16. OTHER INFORMATION**HMIS Rating**

Health: 2

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 2

Fire: 0

Reactivity: 0

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.