

1. IDENTIFICATION**Product information**

Product name
SUPERFLOC 4816RS

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

Water treatment chemical

Recommended restrictions on use

-

Supplier's details

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Emergency telephone number

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

2. HAZARDS IDENTIFICATION**GHS Classification**

Serious eye damage/eye irritation, Category 1,

GHS-Labeling**Hazard pictograms :****Signal word:**

Danger

Hazard statements :	Hazard statements: H318 Causes serious eye damage.
Precautionary statements :	Prevention: P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	Response: P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label:

- 68439-50-9 Alcohols, C12-14, ethoxylated
- 68551-12-2 Alcohols, C12-16, ethoxylated
- 68002-97-1 Alcohols, C10-16, ethoxylated

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

Advice; Contaminated surfaces will be extremely slippery.

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

Mixture
Chemical nature : Anionic Polyacrylamide, emulsion.

Hazardous components

Chemical name	CAS-No.	Concentration[%]
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distillates (petroleum), hydrotreated light	64742-47-8	22 - 25 %
Alcohols, C12-16, ethoxylated	68551-12-2	0 - 3.6 %
Alcohols, C12-14, ethoxylated	68439-50-9	0 - 3.6 %
Alcohols, C10-16, ethoxylated	68002-97-1	0 - 3.6 %
(Z)-Octadec-9-enylamine, ethoxylated	26635-93-8	1.2 - 1.6 %
Ammonium acetate	631-61-8	2 - 10 %

Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability. Only one of these components is contained in the product up to the maximum amount noted.

Further information

Ammonium acetate is not a GHS hazardous component in this product. It is listed because Ammonium Acetate is an EPA Reportable Quantity (RQ) spill hazard substance. See section 14 and 15.

4. FIRST AID MEASURES
Description of first aid measures
General advice

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Skin contact

Remove contaminated clothing and shoes. Wash off immediately with plenty of water. Wash contaminated clothing before re-use. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain prompt medical consultation, preferably from an ophthalmologist.

Ingestion

If swallowed, call a poison control centre or doctor immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms : The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.

Indication of immediate medical attention and special treatment needed, if necessary

Treatment : All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Water spray

Dry chemical

Carbon dioxide (CO₂)

Unsuitable extinguishing media

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

Special hazards arising from the substance or mixture

No information available.

Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus. 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

Where the exposure level is not known, wear approved, positive pressure, self-contained respirator.

Where the exposure level is known, wear approved respirator suitable for the level of exposure. For personal protection see section 8. Chemical resistant boots.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Sweep up to prevent slipping hazard. Soak up with inert absorbent material. Shovel into suitable container for disposal. After cleaning, flush away traces with water. Use detergent if needed.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Do not freeze. Store at room temperature in the 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:

No specific hazards.

Storage stability:

Storage temperature < 89.6 °F

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.

Components	CAS-No.	Value	Form of exposure	Control parameters	Update	Basis
Distillates (petroleum), hydrotreated light	64742-47-8		Vapour	197 ppm 1,200 mg/m ³		

Appropriate engineering controls

Avoid contact with skin and eyes. Do not breathe vapours, aerosols. Do not eat, drink or smoke when using this product. 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. Keep away from tobacco products. Keep away from food and drink. Wash hands before breaks and immediately after handling the product.

Respiratory protection

Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

Hand protection

Glove material: Impervious gloves, 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

Chemical resistant protective clothing. Chemical resistant boots.

Eye protection

Wear eye protection/ face protection. Tightly fitting safety goggles or face-shield. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls

No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid
Form	viscous liquid
Colour	white
Odour	hydrocarbon-like
Odour Threshold	No data available
pH	6 - 8
Freezing point/Melting point :	-4 °C
Initial boiling point and boiling range	No data available
Flash point	> 215.6 °F (closed cup) (Pensky-Martens)
Evaporation rate	similar to water
Flammability (solid, gas)	Not classified as a flammability hazard
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	No data available
Relative vapour density	similar to water

Density	9.03 lb/gal
Relative density	No data available
Bulk density	1.084 kg/m ³
Solubility(ies):	
Water solubility	Limited by viscosity.
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity:	
Viscosity, dynamic	No data available
Viscosity, kinematic	> 20.5 mm ² /s (104 °F)
Oxidizing potential	The substance or mixture is not classified as oxidizing.
Saturation in air (% vol.)	No data available
Surface tension	not determined

10. STABILITY AND REACTIVITY

Reactivity

Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerisation does not occur.

Conditions to avoid

Stable under recommended storage conditions.

Incompatible materials

No specific hazards.

Hazardous decomposition products

oxides of nitrogen
 ammonia
 Sulphur oxides (SO_x)
 Carbon dioxide (CO₂)
 Carbon monoxide (CO)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity	LD50/Rat/> 5,000 mg/kg Remarks: estimated
Acute oral toxicity	Distillates (petroleum), hydrotreated light: LD50/Rat/>/5,000 mg/kg
Acute inhalation toxicity	LC50/Rat/4 h/>/20 mg/l Remarks: estimated
Acute inhalation toxicity	Distillates (petroleum), hydrotreated light: LC50/Rat/4 h/>/5.2 mg/l
Acute dermal toxicity	LD50/Rabbit/>/2,000 mg/kg Remarks: estimated
Acute dermal toxicity	Distillates (petroleum), hydrotreated light: LD50/Rabbit/>/2,000 mg/kg
Skin corrosion/irritation	/OECD Test Guideline 439/Read-across (Analogy) Conclusion: No skin irritation Rabbit/Draize Test/Read-across (Analogy)
Serious eye damage/eye irritation	Conclusion: No skin irritation /OECD Test Guideline 437/Read-across (Analogy) Conclusion: Causes serious eye damage.
Respiratory or skin sensitisation	
Skin sensitisation	Conclusion: Not sensitizing.
Skin sensitisation	Distillates (petroleum), hydrotreated light: Conclusion: This substance is not classified as a sensitizer.
Germ cell mutagenicity	
Genotoxicity in vitro	Ames test Conclusion: No data available
Genotoxicity in vitro	Distillates (petroleum), hydrotreated light: Conclusion: No known effect.

Genotoxicity in vivo	Distillates (petroleum), hydrotreated light:
	Conclusion: not mutagenic
Carcinogenicity	
Carcinogenicity	Distillates (petroleum), hydrotreated light:
	Not classified by IARC or NTP.
Reproductive toxicity	
Toxicity for reproduction	Distillates (petroleum), hydrotreated light:
	Conclusion: Did not show teratogenic effects in animal experiments.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity

Toxicity to other organisms

No data available

Persistence and degradability

Biological degradability:
Modified Sturm Test/OECD Test Guideline 301B:

Not readily biodegradable.

Bioaccumulative potential

Partition coefficient: n-octanol/water: Not applicable

Mobility in soil

Water solubility: Limited by viscosity.
Surface tension: not determined

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Product	Recycling, recovery and reuse of materials is recommended if permitted by regulations.If recycling is not practicable, dispose of in compliance with local regulations.Incineration is recommended.
Contaminated packaging	Dispose of in compliance with local and national regulations.

14. TRANSPORT INFORMATION**Land transport****DOT:****Description of the goods:****Proper shipping name****Class:****Packaging group:****DOT-Labels****Reportable quantity**

NA3082, OTHER REGULATED SUBSTANCES, LIQUID, N.O.S

(Ammonium acetate)

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III

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Ammonium acetate

Hazardous Substances/Reportable Quantities - DOT requirements specific to Hazardous Substances only apply if the quantity in one package equals or exceeds the reportable quantity. DOT/CFR: Product contains US EPA CERCLA and CWA Hazardous Substance: Ammonium Acetate (CAS# 631-61-8) having a Reportable Quantity (RQ) of 5000 pounds; (refer to SDS section 3 for amount in product to determine if spilled quantity of product exceeds the Reportable Quantity (RQ) triggering EPA Spill Incident Notification).

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

This product is regulated as a hazardous material according to the Department of Transportation only in bulk quantities greater than 49,999 lbs. (22,680 KG) per package.

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

SARA Title III Section 311 Categories

Serious eye damage/eye irritation, Category 1,

US. Environmental Protection Agency (EPA); Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules.

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

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

While this product does not contain any component CAS numbers directly listed under SARA 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), it does contain ammonia chemical(s) that may be sources per EPA of aqueous ammonia, a reportable chemical. For our customer's use evaluation for reporting purposes we have listed these source chemical(s) below with their quantities when present at >1%. Please refer to EPA Guidance for Reporting Aqueous Ammonia, EPA 745-R-00-005.

Ammonium acetate (631-61-8)

CERCLA Hazardous Substances. 40 CFR Part 302. May be subject to emergency release notification under SARA Title III.

CERCLA Hazardous substance (Reportable Quantities)

Chemical name	CAS-No.	Reportable quantity
Ammonium acetate	631-61-8	5,000 lb

California Proposition 65

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.

Acrylamide (79-06-1) < 0.01 %

Other regulations : None.

Notification status

- 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.
- 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).
- 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).
Japan	: All components of this product are NOT included on the Japanese (ENCS) inventory.
South Korea	: All components of this product are NOT included on the Korean (ECL) inventory.
Philippines	: All components of this product are NOT included on the Philippine (PICCS) inventory. : The product contains component(s) which is/are New Substance(s) registered by Kemira with the local authority. Only designated Kemira entity can import or authorize to import into China. Contact Kemira offices for more information.
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 NOT included on the Taiwan Chemical Substances Inventory.

16. OTHER INFORMATION

HMIS Rating

Health: 3
Flammability: 1
Reactivity: 0

NFPA Rating

Health: 3
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.

Sources of key data used to compile the Safety Data Sheet

Regulations, databases, literature, own tests.

Additions, Deletions, Revisions



SAFETY DATA SHEET

SUPERFLOC 4816RS

Ref. /US/EN

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Print Date:09/01/2021

Relevant changes have been marked with vertical lines.
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