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## SECTION 1. IDENTIFICATION

### Product identifier

Trade name : Amerfloc™ 492 polymer  
 ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries

### Recommended use of the chemical and restrictions on use

<b>Details of the supplier of the safety data sheet</b> Solenis LLC 500 Hercules Road Wilmington, Delaware 19808 United States of America (USA)  RegulatoryRequestsNA@solenis.com	<b>Emergency telephone number</b> 1-844-SOLENIS (844-765-3647)  <b>Product Information</b> Contact your local Solenis representative
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## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with 29 CFR 1910.1200

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

### GHS label elements

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS


### Hazardous components

No hazardous ingredients

## SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : If breathed in, move person into fresh air.  
 If unconscious, place in recovery position and seek medical advice.  
 If symptoms persist, call a physician.

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- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : Remove contact lenses.  
Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : No symptoms known or expected.
- Notes to physician : No hazards which require special first aid measures.

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## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Ammonia  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
hydrogen chloride  
nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (hydrocyanic acid)
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
Spills of this material are very slippery.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

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Comply with all applicable federal, state, and local regulations.

- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : No materials to be especially mentioned.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION


#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

#### Personal protective equipment


- Respiratory protection : No personal respiratory protective equipment normally required.
- Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.
- Skin and body protection : Wear resistant gloves (consult your safety equipment supplier).  
Wear as appropriate:  
Safety shoes
- Hygiene measures : General industrial hygiene practice.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: light yellow
Odour	: none
Odour Threshold	: No data available
pH	: 5 - 7
Melting point/freezing point	: < 5 °C
Boiling point/boiling range	: > 100 °C
Flash point	: > 100 °C does not flash
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Self-ignition	: does not ignite
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: 2.3 kPa (20 °C)
Relative vapour density	: 0.804 (20 °C)
Relative density	: 1.0 - 1.2
Density	: ca. 1.04 g/cm <sup>3</sup>
Solubility(ies)	
Water solubility	: completely miscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: < 0
Decomposition temperature	: > 150 °C
Viscosity	
Viscosity, dynamic	: 700 - 1,000 cps 30 RPM
Viscosity, kinematic	: No data available

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Oxidizing properties : No data available

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

Conditions to avoid : excessive heat  
Protect from frost.  
Heat, flames and sparks.  
Exposure to moisture

Incompatible materials : aluminum  
Copper  
Iron  
strong mineral acids  
Strong oxidizing agents

Hazardous decomposition products : Ammonia  
Carbon dioxide (CO<sub>2</sub>)  
hydrogen chloride  
nitrogen oxides  
Ammonia  
Carbon monoxide  
Hydrogen chloride gas  
Nitrogen oxides (NO<sub>x</sub>)

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Not classified based on available information.

#### **Product:**


Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Based on a similar product formulation.

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Based on a similar product formulation.

### Skin corrosion/irritation

Not classified based on available information.

#### **Product:**

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**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Remarks: Unlikely to cause eye irritation or injury.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

Result: Does not cause skin sensitisation.

Result: Does not cause respiratory sensitisation.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.


**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Product:**

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

- Toxicity to fish : LC 50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Remarks: Based on a similar product formulation.
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Remarks: Based on a similar product formulation.
- Toxicity to microorganisms : EC0 (activated sludge): 1,000 mg/l  
Exposure time: 0.5 h  
Method: OECD Test Guideline 209

### Ecotoxicology Assessment

- Acute aquatic toxicity : Not classified based on available information.
- Chronic aquatic toxicity : Not classified based on available information.

### Persistence and degradability

#### Product:

- Biochemical Oxygen Demand (BOD) : Biochemical oxygen demand within 5 days  
< 1,000 mg/l  
Remarks: Based on a similar product formulation.
- Chemical Oxygen Demand (COD) : 501,000 mg/l  
Method: Chemical oxygen demand  
Remarks: Based on a similar product formulation.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
- Contaminated packaging : Empty remaining contents.

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**SECTION 14. TRANSPORT INFORMATION**

**International transport regulations**

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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**U.S. DOT - ROAD**

Not dangerous goods
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**U.S. DOT - RAIL**

Not dangerous goods
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**U.S. DOT - INLAND WATERWAYS**

Not dangerous goods
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**TRANSPORT CANADA - ROAD**

Not dangerous goods
---------------------

**TRANSPORT CANADA - RAIL**

Not dangerous goods
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

Not dangerous goods
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\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	no
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