

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

**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****Details of the supplier of the safety data sheet**

Solenis LLC  
500 Hercules Road  
Wilmington, Delaware 19808  
United States of America (USA)

EHSProductSafetyTeam@solenis.com

**Emergency telephone number**

1-844-SOLENIS (844-765-3647)

**Product Information**

Contact your local Solenis representative

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the OSHA Hazard Communication Standard (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**

Material can create slippery conditions.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****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.

## SAFETY DATA SHEET

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer

™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

If unconscious, place in recovery position and seek medical advice.

If symptoms persist, call a physician.

- |   |   |
|---|---|
| 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.<br>Protect unharmed eye.   |
| If swallowed  | : Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.  |
| Most important symptoms and effects, both acute and delayed | : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:<br>stomach or intestinal upset (nausea, vomiting, diarrhea)<br>irritation (nose, throat, airways) |
| Notes to physician  | : No hazards which require special first aid measures.  |

---

## SECTION 5. FIREFIGHTING MEASURES

- |                                      |  |
|--------------------------------------|--|
| Suitable extinguishing media         | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br><br>Water spray<br>Foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical  |
| Specific hazards during firefighting | : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.<br>Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products        | : Ammonia<br>Carbon monoxide<br>Carbon dioxide (CO <sub>2</sub> )<br>hydrogen chloride<br>nitrogen oxides (NO <sub>x</sub> )<br>Hydrogen cyanide (hydrocyanic acid)  |
|                                      | : Ammonia<br>Carbon monoxide<br>Carbon dioxide (CO <sub>2</sub> )<br>hydrogen chloride<br>nitrogen oxides (NO <sub>x</sub> )   |

## SAFETY DATA SHEET

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 83932

- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Material can create slippery conditions.  
 Water may cause extremely slippery conditions.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

## 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.  
 Material can create slippery conditions.  
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
 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 : Avoid spillage on floor as the product can become very slippery.  
 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.
- Further information on storage stability : No decomposition if stored and applied as directed.

## SAFETY DATA SHEET

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
 ™ Trademark, Solenis or its subsidiaries or affiliates,  
 registered in various countries  
 83932

## 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 as appropriate: Safety shoes Wear resistant gloves (consult your safety equipment supplier).
Hygiene measures	: General industrial hygiene practice.

## 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	: < 41 °F / < 5 °C
Boiling point/boiling range	: > 212 °F / > 100 °C
Flash point	: > 212 °F / > 100 °C
	does not flash

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer

™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	does not ignite
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	2.3 kPa (68 °F / 20 °C)
Relative vapour density	:	0.804 (68 °F / 20 °C)
Relative density	:	1.0 - 1.2
Density	:	ca. 1.04 g/cm3
Solubility(ies)		
Water solubility	:	completely miscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	log Pow: < 0
Decomposition temperature	:	> 302 °F / > 150 °C
Viscosity		
Viscosity, dynamic	:	700 - 1,000 cps 30 RPM
Viscosity, kinematic	:	No data available
Oxidizing properties	:	No data available

**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

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

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> )

---

**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:****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.

## SAFETY DATA SHEET

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

### 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

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : LC50 (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

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

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****Product:**

Additional ecological information : No data available

---

**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.

---

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****49 CFR**

Not regulated as a dangerous good

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

---

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards**SARA 313** : 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.**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TCSI : On the inventory, or in compliance with the inventory

AIIC : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TSCA : On TSCA Inventory

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

---

**SECTION 16. OTHER INFORMATION****Further information**

Revision Date : 08/22/2022

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet

**SAFETY DATA SHEET**

Revision Date: 08/22/2022

Print Date: 10/31/2022

SDS Number: R0307068

Version: 1.7

Amerfloc™ 492 polymer

™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries  
83932

Key literature references and sources of data

SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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 SDS has been prepared by the Solenis Environmental Health and Safety Department.

US / EN