

Date prepared: **MARCH 2010**  
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SDS No. IM.1.1.1.A

## Section 1 – Product Identification

IDENTITY: *Product Name:* **InjectPro-PM3811 SoilStabilizer  
InjectPro-PM3811-Flex  
InjectPro-PM3811 UltraSeal (SDS 1 of 3)  
Component – A (liquid resin)**

*Chemical Characterization:* **Aqueous preparation on basis of a specific methacrylate**  
*Product Use Description:* **Injection resin**

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Recommended use of the chemical and restriction on use: Refer to the product technical data sheet.  
For industrial and professional users.

## Section 2 – Hazards Identification

### GHS Classification:

Skin irritation, Category 2  
Skin sensitization, Category 1  
Eye irritation, Category 2A

H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.

### GHS Label element:

#### Hazard Pictograms



GHS07

Signal Word: Warning

#### Hazard Statements:

H301: Toxic if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.

#### Precautionary Statements:

##### Prevention:

P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

P301 + P315: IF SWALLOWED: Get immediate medical advice/attention.  
P330: Rinse mouth.  
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313: IF SKIN irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.  
 P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313: IF eye irritation persists, get medical advice/attention.

**Storage:**

P403 + P410: Store in a well-ventilated place. Protect from sunlight.  
 P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container to an approved waste disposal site.

**Section 3 – Composition / Information on Hazardous Ingredients**

Components	CAS No.	OSHA PEL	ACGIH TLV	Percent
2-hydroxyethyl methacrylate	868-77-9			> 90
proprietary acrylate	TS			TS

**Note:** There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Section 4 – First Aid Measures**

**Inhalation:** Supply fresh air and consult a physician if breathing becomes difficult.

**Ingestion:** Immediately drink plenty of milk or water and get medical attention. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

**Skin Contact:** Rinse skin with soap and plenty of water immediately. Do not use solvents or thinners. Remove contaminated clothing and shoes. Seek medical advice. Wash clothing before reuse.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses. Obtain medical attention without delay, preferably from an ophthalmologist.

**Section 5 – Fire Fighting Measures**

**Extinguishing Media:** Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Other Flammable Properties:** Explosive mixtures may occur at temperatures at or above the flashpoint.

**Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray. Do not scatter material with high pressure water streams.



**Hazardous Decomposition Products:** Not known.

**Unusual Fire and Explosion Hazards:** Bursting and explosion of container possible due to increase of pressure when exposed to increasing heat. In case of fire, cool nearby containers with water fog.

## Section 6 – Accidental Release Measures

**Person-related Safety Precautions:** Provide plenty of fresh air. Avoid eye and skin contact. Avoid inhalation of vapors. Wear personal protective equipment.

**Methods for cleaning-up:** Contain and collect spillage with non-combustible, absorbent materials. I.e. sand, earth, vermiculite, diatomaceous earth, universal binders, sawdust and place in container for disposal.

**Waste Disposal Method:** Dispose in accordance with local, state and federal regulations.

**Ecological Information:** Do not allow product to reach ground water, bodies of water, or storm water or sewage systems.

## Section 7 – Handling and Storage

**Handling:** Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Follow all SDS/label precautions even after the container is emptied because it may retain product residues.

**Storage:** Keep container closed when not in use. Do not store in direct sunlight. Keep in the original container at a temperature not exceeding 30°C (86°F). Store in a cool, dry place. Fill the container by approximately 90% as oxygen (air) is required for stabilization. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability.

## Section 8 – Exposure Controls / Personal Protection

**General Information:** Eye-wash bottle must be available.  
The product does not contain any relevant quantities of materials that have to be monitored at the workplace.

**Engineering Controls:** Use adequate ventilation.

**Respiratory Protection:** Use local exhaust ventilation.

**Skin Protection:** Wear chemical resistant protective clothing and footwear impervious to the product if there is a potential for skin contact.

**Hand Protection:** Glove(s): neoprene.

**Eye Protection:** Use safety goggles or face shield.

**Other Protective Equipment:** A safety shower and eye wash fountain should be readily available.

**Work/Hygienic Practices:** Wash hands before breaks and after work, and before eating, drinking or smoking.

## Section 9 – Physical and Chemical Properties

<b>Physical state:</b>	Liquid
<b>Color:</b>	Clear to brownish
<b>Odor:</b>	Acrylic
<b>Solubility in water:</b>	at 20°C / 68°F miscible
<b>pH-value:</b>	N/A
<b>Boiling point:</b>	>100°C (>212°F)
<b>Flash point:</b>	103°C (>217°F) DIN EN 22719
<b>Specific Gravity (water = 1) at 20°C:</b>	1.07 g/cm <sup>3</sup>
<b>Viscosity, (kinematic) at 20°C:</b>	1 – 3 cps
<b>VOC:</b>	0 g/L
<b>Vapor density (air = 1):</b>	is heavier than air
<b>Vapor pressure:</b>	0.08 hPa (= mbar) at 20 °C / 68 °F (OECD 104, dynamic method)
<b>Evaporation rate:</b>	is slower than butyl acetate
<b>VOC:</b>	0 g/L
<b>Odor threshold:</b>	not available
<b>Auto ignition Temperature:</b>	No data available
<b>Lower explosion Limit:</b>	No data available
<b>Upper explosion Limit:</b>	No data available

## Section 10 – Stability and Reactivity

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous Decomposition:</b>	None if used as directed.
<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Conditions To Avoid:</b>	See 'Hazardous Polymerization' for conditions to avoid.
<b>Hazardous Polymerization:</b>	The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.
<b>Incompatibilities:</b>	Reducing agents. Tertiary amines. Heavy metals. Peroxides. Oxidizing agents. Mineral acids.

## Section 11 – Toxicological Information

<b>Acute toxicity:</b>	None available.
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## Section 12 – Ecological Information

### Information on Elimination (Persistence and Degradability)

- **Biodegradability**  
readily degradable, OECD 301 D, Closed Bottle Test, 28 d  
(plant or external testing)  
Related to substance: 2-hydroxyethyl methacrylate

84%

**Ecotoxicological Effect**

- **Fish Toxicity** **227 mg/l**  
LC50 Pimephales promelas, flow through, 96 h  
Related to substance: 2-hydroxyethyl methacrylate
- **Daphnia Toxicity**
  - **NOEC Daphnia magna, OECD 202 part 2, flow through, 21 d** **24.1 mg/l**  
Related to substance: 2-hydroxyethyl methacrylate
  - **EC50 Daphnia magna, OECD 202 part 1, static test, 48 h** **380 mg/l**  
Related to substance: 2-hydroxyethyl methacrylate
- **Bacteria Toxicity** **> 3,000 mg/l**  
EC0 Pseudomonas fluorescens, DEV L8, 16 h  
(plant or external testing)  
Related to substance: 2-hydroxyethyl methacrylate

**Further Information on Ecology:** Do not allow to enter soil, waterways or waste water.

**Section 13 – Disposal Considerations**

**Product waste:** Must be disposed of in a manner consistent with federal, state and local regulations.

**Packaging waste:** Must be disposed of in a manner consistent with federal, state and local regulations.

**Section 14 – Transport Information**

**USDOT (Domestic Surface):** Not regulated

**IMO (Ocean):** Not regulated

**IATA/ICAO (Air):** Not regulated

**Section 15 – Regulatory Information**

**TSCA Status:** Listed or exempt

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**SARA 311/312 Hazard Categories (40CFR370):** Acute

**US State Regulatory Information:**

Component/CASRN	New Jersey RTK	Pennsylvania RTK	Massachusetts RTK	California Prop. 65 Cancer	California Prop. 65 Reproduction
2-hydroxyethyl methacrylate (CASRN 868-77-9)	NO	NO	NO	NO	NO

**SARA 313 Notification:** This product contains no toxic chemicals subject to the SARA 313 supplier notification requirements.

**CERCLA:** No CERCLA chemicals exist in this product.

**IDL:** Ingredient Disclosure List (IDL), the following components are on the list:  
Acrylates and methacrylates.

## Section 16 – Other Information

### Abbreviations and acronyms:

USDOT: United States Department of Transportation.  
IMDG: International Maritime Code for Dangerous Goods.  
IATA: International Air Transport Association.  
CAS: Chemical Abstracts Service (Division of the American Chemical Society).  
LC50: Lethal concentration, 50 percent.  
LD50: Lethal dose, 50 percent.

**SDS prepared by:** Aquafin product safety department.

### DISCLAIMER:

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**END OF SDS**

(January 22, 2019)