



# Safety Data Sheet

## HEG-FL20

July 2023 Version 1.0

Section 1	Product and Company Identification
Company Information:	<b>Heartland Energy Group LTD.</b> 626 NW Valley Ridge Court Grain Valley, MO 64029
Product Identifier:	HEG-FL <sub>20</sub>
24 Hour Emergency Telephone:	Call Chemtrec 1 (800) 424-9300
Product Description:	Performance Chemical for Water Treatment & Oilfield Applications
General Information:	Blend
Chemical Family:	Polyacrylamide, modified, in water
Unsuitable for Use: NA	*The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Section 2	Hazard Identification
Classification of the Product:	No need for classification according to GHS criteria for this product.
Label Elements:	The product does not require a hazard warning label in accordance with GHS criteria.
Hazards Not Otherwise Classified:	The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Section 3	Composition/Information on Ingredients
<b>According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200</b>	
Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut-off value.	

<b>Section 4</b>		<b>First Aid Measures</b>
<b>General:</b>	Remove contaminated clothing.	
<b>Eye Contact:</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.	
<b>Skin Contact:</b>	Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. If irritation develops, seek medical attention.	
<b>Inhalation:</b>	Keep patient calm, remove to fresh air, seek medical attention.	
<b>Ingestion:</b>	Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Immediate medical attention required.	
<b>Note to Physician:</b>	Treat according to symptoms (decontamination, vital functions), no known specific antidote.	

**Most important symptoms and effects, both acute and delayed:**

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and/or effects are not known so far  
 Hazards: No applicable information is available.

<b>Section 5</b>		<b>Fire Fighting Measures</b>
<b>Fire Extinguishing Media:</b>	Suitable extinguishing media: water spray, dry powder, foam	
<b>Advice for Firefighters:</b>	Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.	
<b>Special Hazards Arising from the Substance Mixture:</b>	Hazards during fire-fighting: harmful vapours. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.	
<b>Further Information:</b>	Contaminated extinguishing water must be disposed of in accordance with official regulations.	

<b>Section 6</b>		<b>Accidental Release Measures</b>
<b>Further accidental release measures:</b>	High risk of slipping due to leakage/spillage of product.	
<b>Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective clothing.	

### Environmental Precautions:

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

## Section 7

### Handling and Storage

#### Handling Procedures:

No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas. Protection against fire and explosion: No special precautions necessary.

#### Storage Procedures:

The product in undamaged packing need not be stored separately. Protect from temperatures above: 40 °C. Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

## Section 8

### Exposure Controls / Personal Protection

No occupational exposure limits known.

#### Advice on system design:

No applicable protection if ventilation is inadequate.

#### Personal Protective Equipment

##### General:

Boots, Aprons, Drench Shower, Eye Wash

##### Eyes/Face:

Wear safety goggles with side-shields.

##### Skin:

Use protective clothing and gloves chemically resistant to this material.

##### Respiratory:

Wear respiratory protection if ventilation is inadequate.

##### Body Protection:

No body protection required if used for intended purpose and satisfying generally accepted industrial hygiene rules.

#### General Safety and hygiene Measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

Section 9	Physical and Chemical Properties
Physical State:	Gel
Color:	Colorless
Odor:	Odorless
Specific Gravity:	1.00 g/cm <sup>3</sup> (average)
Initial Boiling Point:	100 C
Freezing Point	approx. 0 C
Flashpoint:	N/A
Solubility:	100% (In water)
pH:	approx. 7 (23%(m))

Section 10	Stability and Reactivity
Reactivity:	No hazardous reactions if stored and handled as prescribed/indicated. Corrosion to metals: No corrosive effect on metal. Oxidizing properties: not fire-propagating.
Chemical Stability:	The product is stable if stored and handled as prescribed/indicated.
Hazardous Reactions:	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to Avoid:	No conditions to avoid anticipated.
Incompatible Materials:	None known during use and storage if used according to instructions.
Hazardous Decomposition Products:	Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated. Thermal decomposition: No decomposition if used as directed.

Section 11	Toxicological Information
<b><u>Primary Routes of Exposure:</u></b>	Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.
<b><u>Acute Toxicity/Effects:</u></b>	
Acute Toxicity:	Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

<b>Oral:</b>	Type of Value: ATE Value:>5,000mg/kg
<b>Inhalation:</b>	NA
<b>Dermal:</b>	NA
<b>Assessment Other Acute Effects:</b>	Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
<b>Irritation/Corrosion:</b>	Assessment of irritating effects: Not irritating to eyes and skin.
<b>Sensitization:</b>	Assessment of sensitization: Based on available data, the classification criteria are not met.
<b>Aspiration Hazard:</b>	NA
<b><u>Chronic Toxicity Effects:</u></b>	
<b>Repeated Dose Toxicity:</b>	Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
<b>Genetic Toxicity:</b>	Assessment of mutagenicity: Based on available Data, the classification criteria are not met.
<b>Carcinogenicity:</b>	Assessment of carcinogenicity: Based on available Data, the classification criteria are not met. None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.
<b>Reproductive Toxicity:</b>	Assessment of reproduction toxicity: Based on available Data, the classification criteria are not met.
<b>Teratogenicity:</b>	Assessment of teratogenicity: Based on available Data, the classification criteria are not met.
<b>Other Information:</b>	The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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<b>Section 12</b>	<b>Ecological Information</b>
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<b>Aquatic Toxicity:</b>	No negative ecological effects are expected.
<b>Persistence and Degradability:</b>	Not readily biodegradable (by OECD criteria)
<b>Bioaccumulative Potential:</b>	Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.
<b>Mobility in Soil:</b>	NA

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<b>Section 13</b>	<b>Disposal Considerations</b>
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<b>Waste Disposal:</b>	Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.
<b>Container Disposal:</b>	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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<b>Section 14</b>	<b>Transport Information</b>
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<b>DOT Proper Shipping Name:</b>	Non Regulated
<b>DOT Technical Name:</b>	Not Regulated
<b>DOT Hazard Class:</b>	Not Regulated
<b>DOT I.D. Number:</b>	Not Regulated
<b>Packing Group:</b>	Not Regulated

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<b>Section 15</b>	<b>Regulatory Information</b>
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**Federal Regulations:**
**Registration Status:**

Chemical                      TSCA, US                      Released/Listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

**Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including ACRYLAMIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Hazard Rating: HMIS  
Health: 1  
Flammability: 1  
Physical Hazard: 0  
Personal Protection: C

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**Section 16**

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**Other Information**

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The information and recommendations set forth herein are presented in good faith and believed correct as of the date the SDS was created. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules, or insurance requirements applicable. This SDS is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.***

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