

## SAFETY DATA SHEET

### SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product:** pHlex HAR  
**General Description:** Environmentally Safer Caustic Replacement  
**Revision Date:** 05/21/2025  
**REACH Registration:** Components in this product have been  
Registered according to Article 2 REACH Regulation (EC) No. 1907/2008

| HMIS Rating         |   |
|---------------------|---|
| Health              | 0 |
| Fire                | 0 |
| Reactivity          | 0 |
| Personal Protection | A |

#### Rating Scale

4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

For General Information call: 1-877-797-2811  
Manufacturer/Supplier: Heartland Energy Group LTD.

626 Valley Ridge Ct  
Grain Valley, MO 64029 U.S.A.

**For Chemical Emergency ONLY** (spill, leak, fire, exposure or accident), call **Chemtrec** :  
+1-800-424-9300 (Within USA) : (703) 527-3887 (Outside USA)

### SECTION II. HAZARD IDENTIFICATION

GHS Classification of the substance or mixture

Acute Toxicity-Oral: Category 5  
Skin Corrosion/Irritation: Category 3  
Serious Eye Damage/Eye Irritation: Category 2B

#### GHS Label Elements

**Signal Word:** Warning  
**Symbols:** Not Applicable

**Hazard Statements:** May be harmful if swallowed  
May cause mild skin irritation  
May cause eye irritation

Hazards not otherwise classified (HNOC) or not covered by GHS-Not Applicable

**Other Information:** May cause mild skin irritation if not rinsed off with soap and water  
May cause eye irritation if not rinsed out with copious amounts of water

### SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS# | Chemical Formula                 |
|------|----------------------------------|
| N/A  | Proprietary/Trade Secret Claimed |

#### Substances

The identity of this material is a trade secret (29 CFR 1910.1200(i)) and is available to any attending physician, paramedical personnel and/or spill response personnel in the case of an emergency. Proprietary ingredient is non-toxic.

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, classified as hazardous to the health or environment thus do not require reporting in this section.

**Mixtures**  
Not applicable

### SECTION IV. FIRST-AID MEASURES

#### EMERGENCY OVERVIEW

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**Potential Health Effects**

**Inhalation:** May cause respiratory tract irritation. Low hazard for usual industrial handling.

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation. Low hazard for usual industrial handling.

**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation. Low hazard for usual industrial handling.

**Chronic:** No information found.

**FIRST AID MEASURES**

**INHALATION:** Remove to fresh air, if symptoms persist, seek medical attention.

**EYES:** Flush with water for at least 15 minutes while holding eyelids open. Call a physician if irritation persists. If worn, remove contacts after first 5 minutes.

**SKIN:** Remove contaminated clothing. Wash exposed area with soap and water for at least 15 minutes. Launder clothes before reuse. Call a physician if rash or other symptoms develop.

**INGESTION:** If ingested, may cause loose stools. Drink plenty (2-3 glasses) of water and immediately consult a physician. Do not induce vomiting.

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| <b>SECTION V. FIRE-FIGHTING MEASURES</b> |
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Extinguishing media

Suitable extinguishing media

Product does not support combustion, use extinguishing agent for type of surrounding fire.

Special hazards arising from the substance or mixture

No data available

Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary

Further information

No data available

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| <b>SECTION VI. ACCIDENTAL RELEASE MEASURES</b> |
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**Personal precautions** Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Methods for containment:** Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Never return spills in original containers for re-use. Product can be neutralized with water in accordance to local, state and federal regulations. Always sample spill and calculate via titration the proper amount of neutralizing material to be used to properly neutralize.

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## SECTION VII. HANDLING AND STORAGE

**General Handling and Storage Precautions:** As with all chemical products and material, take care as to where and how you store them.

**Shelf Life:** No known limit. Recommended: Use within 1 year.

**Special Sensitivity:** None

**Storage and other Precautions:** For increased shelf life keep in a closed container away from incompatible materials.

## SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Not normally required.

**Ventilation:** Normal ventilation is generally adequate.

**Protective Equipment:** As with any chemical, care should be taken as not to get anything in the eyes. Safety glasses or goggles are suggested for use.

## SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

### Properties Evaluated @ Ambient Temperature

**Appearance:** Clear colorless liquid

**Odor:** Mild soapy

**Specific Gravity:** 1.09 ± 0.04

**Initial Freeze Point:**

Not Evaluated

**Initial Boiling Point:**

212°F (100°C)

**Flash Point:**

>85 C (ASTM D-56)

**Solubility:**

Complete/100%

**Other data:** These physical properties are typical values for this product and not specifications. No other data available.

## SECTION X. STABILITY AND REACTIVITY

### Reactivity

This material is considered to be non-reactive under normal conditions of use.

### Chemical stability

Stable under recommended storage conditions

### Possibility of hazardous reactions

No data available

### Conditions to avoid

No data available

### Incompatible materials

Strong acids

### Hazardous decomposition products

Other decomposition products -no data available

In the event of fire, see section 5

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## SECTION XI. TOXICOLOGICAL INFORMATION

**LD50:**

Oral, rat: LD50 = 3650 mg/kg;

**Carcinogenicity:**

Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information available.

**Teratogenicity:** No information available.

**Reproductive Effects:** No information available.

**Mutagenicity:** No information available.

**Neurotoxicity:** No information available.

**Other Studies:** N/A

## SECTION XII. ECOLOGICAL INFORMATION

**Ecological Studies:**

Please call the non-emergency telephone number if this information is required.

## SECTION XIII. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## SECTION XIV. TRANSPORT INFORMATION

**This material is not regulated for transport.**

**Marine Pollutant:** This product is not a marine pollutant.

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods. Typical proper shipping names for this product are:

**US Department of Transportation (DOT):** Non-Regulated as a Hazardous Material

**Canadian TDG (Transportation of Dangerous Goods):** Not Regulated as a Hazardous Material

**IMO (Water Transportation):** Not Regulated as a Hazardous Material

**IATA (Air Transportation):** Not Regulated as a Hazardous Material

**Rail:** Not Regulated as a Hazardous Material

## SECTION XV. REGULATORY INFORMATION

**US FEDERAL****TSCA**

All components of this product are listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

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**CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPQ.

**Section 313** No chemicals are reportable under Section 313.

**Clean Air Act:**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

This chemical is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations****European Labeling in Accordance with EC Directives****European Economic Community****Classification per Directive 67/548/EEC or 1999/45/EC**

Not Classified

Risk Phrases: None allocated

Safety Phrases: S2-Keep out of reach of children

S24/25 Avoid contact with skin and eyes

**WGK, Germany (Water danger/protection):** No data available

**Canada - DSL/NDSL**

This product is listed on Canada's DSL List.

**Canada - WHMIS**

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

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| <b>SECTION XVI. OTHER INFORMATION</b> |
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The information accumulated herein is believed to be accurate based on the information provided, although no guarantee or warranty, either expressed or implied is made as to the accuracy or completeness of this information, whether originating with this company or not. Recipients are advised to confirm in advance of need that the information is correct, applicable and suitable to their circumstances. The conditions or methods of handling, storage, use and disposal of the product and container are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage or use of this information or product. If the product is used as a component in another product, this information may not be applicable.

**End of Safety Data Sheet**