



**Heartland Energy Group LTD.**  
**PO Box 543**  
**Grain Valley MO 64029**  
**1.877.797.2811**

## SAFETY DATA SHEET

### SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Eco Scrub HD  
General Description: Combination Synthetic Acid, Synthetic Caustic Cleaner  
Revision Date: 1/1/2022  
REACH Registration: The component in this product has 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

For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call  
CHEMTREC at 1-800-424-9300

### 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:

Symbols:

Warning

Not Applicable

Hazard Statements:

May be harmful if swallowed  
Causes mild skin irritation  
Causes eye irritation

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

Other Information:

May cause mild 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

No ingredients are hazardous according to OSHA criteria.  
No components need to be disclosed according to the applicable regulations.

#### NOTE:

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.

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.

---

## **SECTION IV. FIRST-AID MEASURES**

### Description of first aid measures

#### General advice

It is always recommended to consult a physician. Show this safety data sheet to the doctor in attendance.

#### If Inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Remove any contaminated clothing first. Wash off with soap and plenty of water. If irritation occurs consult a physician.

#### In case of eye contact

If wearing contacts, first remove. Flush eyes with water as a precaution. If irritation occurs consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. If irritation occurs consult a physician.

#### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2) and/or section 11

#### Indication of any immediate medical attention and special treatment needed

No data available

## **SECTION V. FIRE-FIGHTING MEASURES**

### 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

## **SECTION VI. ACCIDENTAL RELEASE MEASURES**

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing any vapors or mist. Ensure adequate ventilation.

Move personnel to safe areas.

For personal protection see section 8

### Methods and materials for containment

Soak up with inert absorbent material and dispose of in accordance with local and state disposal regulations.

Keep in suitable closed containers for proper disposal.

### Reference to other sections

For disposal see section 13

---

## SECTION VII. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.  
For precautions see section 2

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well ventilated place. Open containers must be carefully closed/resealed and kept upright to prevent leakage. Do not mix with strong oxidizing agents

## SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Exposure controls

#### Appropriate engineering equipment

Handle in accordance with good industrial hygiene and safety practices. Personal protective equipment may be worn for added safety in accordance with the below recommended equipment. Wash hands before all breaks and at the end of the workday.

### Personal protective equipment

#### Eye/face protection

While eye protection is not required, where protection from nuisance levels are desired, use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

While skin protection is not required, where protection from nuisance levels are desired, Gloves must be inspected prior to use. Use proper glove removal technique. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Full contact

Material: Nitrile rubber

#### Splash contact

Material: Nitrile rubber

If mixed with other substances, and under conditions which differ from product directions, contact your glove supplier. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### Body Protection

While body protection is not required, where protection from nuisance levels are desired, choose body protection in relation to its type, to the concentration and to the specific work-place.

#### Respiratory protection

While Respiratory protection is not required, where protection from nuisance levels are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not let product enter storm drains.

## SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

- |                   |                   |
|-------------------|-------------------|
| a) Appearance     | Form: Liquid      |
| b) Odor           | Mild              |
| c) Odor Threshold | No data available |
| d) pH             | No data available |

---

|    |                           |                   |
|----|---------------------------|-------------------|
| e) | Freeze/melting point      | ≤ 28 F            |
| f) | Boiling point             | ≥ 223 F           |
| g) | Flash point               | No data available |
| h) | Evaporation rate          | No data available |
| i) | Flammability (solid, gas) | No data available |
| j) | Upper flammability limits | No data available |
| k) | Lower flammability limits | No data available |
| l) | Vapor pressure            | No data available |
| m) | Vapor density             | No data available |
| n) | Specific gravity          | 1.01 ± 0.02       |
| o) | Water Solubility          | 100% Soluble      |
| p) | Partition coefficient     | No data available |
| q) | Auto-ignition temperature | No data available |
| r) | Decomposition temperature | No data available |
| s) | Kinematic viscosity       | No data available |
| t) | Explosive properties      | No data available |
| u) | Oxidizing properties      | No data available |

#### Other safety information

No data available

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

Acids or strong oxidizing agents

#### Hazardous decomposition products

Other decomposition products -no data available

In the event of fire, see section 5

### SECTION XI. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity

LD50 Oral - rat - 3,120 mg/kg

Respiration: no data available

Inhalation: no data available

Dermal: no data available

##### Skin corrosion/irritation:

no data available

##### Serious eye damage/eye irritation:

no data available

---

#### Respiratory or skin sensitization

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

#### Specific target organ toxicity - repeated exposure

no data available

#### Aspiration hazard

no data available

#### Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated by any agency, governmental or otherwise.

|                                            |
|--------------------------------------------|
| <b>SECTION XII. ECOLOGICAL INFORMATION</b> |
|--------------------------------------------|

#### Toxicity

no data available

#### Persistence and degradability

no data available

#### Bioaccumulative potential

Does not bioaccumulate

#### Mobility in soil

no data available

#### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### Other adverse effects

no data available

|                                              |
|----------------------------------------------|
| <b>SECTION XIII. DISPOSAL CONSIDERATIONS</b> |
|----------------------------------------------|

#### Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

##### Contaminated packaging

Dispose of as unused product.

---

**Note:** 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.

#### **SECTION XIV. TRANSPORT INFORMATION**

##### **TRANSPORT INFORMATION**

###### **DOT (US)**

Not dangerous goods

###### **IMDG**

Not dangerous goods

###### **IATA**

Not dangerous goods

**Note:** 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.

#### **SECTION XV. REGULATORY INFORMATION**

##### **US FEDERAL**

###### **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.

###### **TSCA 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.

###### **CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

###### **SARA Section 302 Components**

None of the chemicals in this product have a TPQ. No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

###### **Section 313 Components**

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.

###### **SARA 311/312 Hazards**

No SARA Hazards

###### **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 Components**

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

**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 SDS contains all of the information required by those regulations. Canadian Ingredient Disclosure List: N/A

|                                       |
|---------------------------------------|
| <b>SECTION XVI. OTHER INFORMATION</b> |
|---------------------------------------|

**OTHER INFORMATION****HMIS Rating**

Health hazard: 0

Flammability: 0

Physical Hazard: 0

**NFPA Rating**

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

**Further information**

Copyright 2015 Environmental Manufacturing Solutions, LTD. License granted to make unlimited paper copies for internal use only.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions and directed uses. Environmental Manufacturing Solutions, LTD. and its Affiliates shall not be held liable for any damage resulting from handling, mishandling or from contact with the above product.

**End of Safety Data Sheet**