



## Safety Data Sheet Eco Scrub FC

According to Regulation (EC) No. 1907/2006 (amended  
by Regulation (EU) No. 453/2010)

Version date:  
05/15/2025

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name / designation Eco Scrub FC  
Article No (user) Scrubbing Compound

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Freezer Cleaning  
Uses advised against Not available

### 1.3. Details of the supplier of the safety data sheet

Supplier Heartland Energy Group LTD  
626 NW Valley Ridge Ct  
Grain Valley MO 64029  
USA  
Tel : +1 816-867-2054

### 1.4. Emergency Telephone Number

France (Numéro ORFILA) : + 33 (0)1 45 42 59 59

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### 2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2

H319

Causes serious eye irritation.



### 2.2. Label elements

#### 2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Danger symbol



Signal word

**Warning**

Product identifier

-

Danger

Causes serious eye irritation.

Supplemental Hazard  
information (EU)

-

General statements

-

Prevention statements

Wear protective gloves/eye protection  
Wash ... thoroughly after handling

Response statements	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.
Storage statements	-
Disposal statements	-
Additional information	-

### **2.3. Other hazards**

Not available

## **SECTION 3: Composition/information on ingredients**

<b>Substance</b>	<b>(%)</b>	<b>Classification</b>	<b>Specific concentration limits</b>
Glycine CAS N°: 56-40-6 EC N°: 200-272-2 IDX N°: Not available	C≤4.0%	n/a	-
Sodium Carbonate CAS N°: 497-19-8 EC N°: 207-838-8 IDX N°: Not available	C≤0.5%	Eye Irrit. 2: H319	-
Calcium Carbonate CAS N°: 471-34-1 EC N°: 207-439-9 IDX N°: Not available	C≤0.5%	Eye Irrit. 2: H319 Skin Irrit. 2: H315	-
1,2-propanediol CAS N°: 57-55-6 EC N°: Not available IDX N°: Not available	C≤15%	n/a	

For the full text of the H-Statements mentioned in this Section, see Section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

<b>General information</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Following inhalation</b>	Provide fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Immediately call a doctor.
<b>Following skin contact</b>	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
<b>Following eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
<b>Following ingestion</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps. Call a doctor if you feel unwell.
<b>Self-protection of the first aider</b>	Not available

### **4.2. Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Causes eye irritation.
<b>Effects</b>	Not available

#### **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Special treatment</b>	Not available

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

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

### **5.2. Special hazards arising from the substance or mixture**

Not available

### **5.3. Advice for firefighters**

Special protective equipment for firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

Do not inhale explosion and combustion gases.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

Do not breathe vapour.

Provide adequate ventilation.

For non-emergency personnel: Remove persons to safety.

Personal precautions: Use personal protection equipment.

For emergency responders: Wear personal protective clothing (see section 8).

Personal protection equipment: Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### **6.2. Environmental precautions**

Ensure waste is collected and contained.

No special environmental measures are necessary.

### **6.3. Methods and material for containment and cleaning up**

For containment: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up: Collect in closed and suitable containers for disposal.

Dispose of waste according to applicable legislation.

### **6.4. Reference to other sections**

Disposal: see section 13

#### **Additional information**

Not available

## **SECTION 7: Handling and Storage**

### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes.

Do not breathe vapors or spray mist.  
For precautions see section 2.2.  
Protective measures: Environmental precautions: See section 8.

Advices on general occupational hygiene: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed and in a well-ventilated place.  
Store in a dry place.  
Open containers must be carefully closed/resealed and kept upright to prevent leakage.  
Do not mix with strong oxidizing agents  
Advice on joint storage: Storage class: no classification

### **7.3. Specific end uses**

Not available

## **SECTION 8: Exposure controls / personal protection**

### **8.1. Control parameters**

Contains no substances with occupational exposure limit values.

### **8.2. Exposure controls**

#### **8.2.1. Appropriate engineering controls**

Use personal protective equipment as required.  
Handle in accordance with good industrial hygiene and safety practices.

#### **8.2.2. Personal protection equipment**



##### **Eye protection**

Eye protection: Eye glasses with side protection.

##### **Hand protection**

Wear protective gloves.  
Suitable gloves type: NBR (nitrile rubber)  
Additional hand protection measures.: Use gloves only once.  
Do not wear gloves near rotary machines and tools.  
Remark: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wash hands before breaks and after work.

##### **Respiratory protection**

Usually no personal respirative protection necessary.

#### **8.2.3. Environmental exposure controls**

Do not allow to enter into surface water or drains.

#### **8.2.4. Consumer exposure controls**

Not available

### **Additional information**

Not available

## SECTION 9: Physical and chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Physical state: liquid Colour: No data available
<b>Odour</b>	Value: Soapy
<b>Odour threshold</b>	Value: No data available
<b>pH</b>	Value: No data available
<b>Melting point/freezing point</b>	Value: < -2°C
<b>Initial boiling point and boiling range</b>	Value: > 100°C
<b>Flash point</b>	Value: No data available
<b>Evaporation rate</b>	Value: No data available
<b>Flammability</b>	Value: No data available
<b>Vapour pressure</b>	Value: No data available
<b>Vapour density</b>	Value: No data available
<b>Relative density</b>	Value: 1.074 ± 0.02
<b>Solubility(ies)</b>	Value: 100% Soluble
<b>Partition coefficient: n-octanol/water (Log KOC)</b>	Value: liquid
<b>Auto-ignition temperature</b>	Value: No data available
<b>Decomposition temperature</b>	Value: No data available
<b>Viscosity</b>	Value: No data available
<b>Explosive properties</b>	Value: No data available
<b>Oxidising properties</b>	Value: No data available

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

Not available

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.  
In the event of fire, see section 5.

### **Additional information**

Not available

## SECTION 11: Toxicological information

### **11.1. Information on toxicological effects**

#### **11.1.1. Toxicokinetics, metabolism and distribution**

Acute toxicity - LD50 Oral - rat - 3,240 mg/kg

#### **11.1.2. Information on toxicological effects**

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitization: no data available

Repeated dose toxicity (subacute, sub chronic, chronic): no data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Based on available data, the classification criteria are not met.

#### **11.1.3. Symptoms related to the physical, chemical and toxicological characteristics**

Not available

#### **11.1.4. Carcinogenicity, mutagenicity or reproductive toxicity**

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.

#### **Additional information**

Not available

## SECTION 12: Ecological information

### **12.1. Toxicity**

No information available.

### **12.2. Persistence and degradability**

No information available.

### **12.3. Bioaccumulative potential**

Does not bioaccumulate

### **12.4. Mobility in soil**

No information available.

### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### **12.6. Other adverse effects**

Not available

## SECTION 13: Disposal considerations

### **13.1. Waste treatment methods**

Waste treatment options:

Appropriate disposal / Product: Dispose of waste according to applicable legislation.  
Delivery to an approved waste disposal company.

Appropriate disposal / Package: Handle contaminated packages in the same way as the substance itself.

Remark: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.  
For recycling, contact manufacturer.

#### Additional information

Not available

## SECTION 14: Transport information

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

Canadian TDG (Transportation of Dangerous Goods): UN 1760, Corrosive Liquid, N.O.S., (Synthetic Caustic), Class 8, PG III (by Aluminum Corrosion Only) Note: The original manufacturer, formulator and/or blender has determined this product to be corrosive to Aluminum as per TDG criteria, standards and/or regulations, > 6.25 mm/year at 55C.

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

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

Rail: Not Evaluated

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation: Not applicable

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

#### Additional information

Not available

## SECTION 16: Other information

#### Indication of changes

Not applicable

#### Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

#### Key literature references and sources for data

This information is not available.

#### Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Not available

#### Relevant R-, H- and EUH-phrases (Number and full text)

H315: Causes skin irritation.

H335: May cause respiratory irritation.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.