

SAFETY DATA SHEET

1. Identification

Product Name:	Eteric AH-HF
Recommended use of chemical	Mixtures for further formation. Surfactant mixes for industrial applications.
Uses Advised Against	All applications not listed use recommended.
Name and address of the supplier:	Essential Ingredients, Inc. 1755 North Brown Road, Suite 350 Lawrenceville, GA, US 30043
Supplier's telephone number:	(770) 831-9010
24 Hr. Emergency telephone number:	(800) 424-9300 (CHEMTREC)

2. Hazard(s) Identification

Classification of the Substance or Mixture

EC regulation criteria 1272/2008 (CLP)	: Warning, Eye Irrit. 2, Causes serious eye irritation.
Adverse physiochemical, human health and environment effects	: No other hazards

Label Elements:

Hazard pictogram(s)



Signal Word	: WARNING
Hazard Statement(s)	: H319 Causes serious eye irritation
Precautionary Statement(s)	: P264 Wash thoroughly with water after use. P280 Wear protective gloves and eye/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
Special Provisions	: None
Special Provisions According to Annex XVII of REACH and Subsequent Amendments	: None
Other Hazards	: No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$.
Other Hazards	: No other hazards.

3. Composition/Information on Ingredients

Substances : N.A.

Mixtures : Hazardous components within the meaning of the CLP regulation and related classification:

Chemical Name	CAS No.	EC No.	Classification	Percent by Weight
Alkyl derivs, disodium salts	68604-71-7	290-476-8	3.3/2 Eye Irrit. 2 H319	>=30% - < 40%

Additional Info : Other applicable CAS No.; CAS 3655-00-3; CAS 14960-06-6; CAS 68608-68-4

4. First Aid Measures

Description of All First Aid Measures

- Skin Contact** : Immediately take off all contaminated clothing. Areas of the body that have – or are only even suspected of having – come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose of safely. After contact with skin, wash immediately with soap and plenty of water.
- Eye Contact** : After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.
- Ingestion** : Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
- Inhalation** : Remove casualty to fresh air and keep warm and at rest.

Most Important Symptoms and Effects, Both Acute and Delayed:

Vomiting, Headache, Irritation of the eyes, skin, nose, and throat

Indication of any Immediate Medical Attention and Special Treatment Needed:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Treat symptomatically.

5. Firefighting Measures

Extinguishing Media:

- Suitable extinguishing media : Water. Carbon dioxide (CO₂).
- Extinguishing media which must not be used for safety reasons : None in particular.

Special Hazards Arising from the Substance or Mixture : Do not inhale explosion and combustion gases. Burning produces heavy smoke.

Advice for Firefighters : Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental Release Measures

- Personal Precautions, Protective Equipment and Emergency Procedures** : Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.
- Environmental Precautions** : Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- Suitable Material for Taking Up Methods and Material for Containment and Cleaning Up** : Absorbing material, organic, sand
: Wash with plenty of water.
- Reference to Other Sections** : See also section 8 and 13

7. Handling and Storage

- Precautions for Safe Handling** : Avoid contact with skin and eyes, inhalation of vapors and mists. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. See also section 8 for recommended protective equipment.
- Advice on general occupational hygiene : Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working.
- Conditions for Safe Storage, Including any Incompatibilities** : Store away from frost and sunlight (+5°C / +30°C)
- Shelf-life : Max 2 years from production batch date, in sealed and healthy package, stored in a dry place.
- Handling : Product should be homogenized before use, especially in the following cases:
- Whenever partial volumes are taken from the drum.
 - When product is stored at low temperatures (less than 6°C).
 - When product rests in stock for a long period of time (more than six months).
- Keep away from food, drink and feed.
- Incompatible materials : None in particular.
- Instructions as regards storage premises : Adequately ventilated premises.
- Specific end use(s)** : None in particular.

8. Exposure Controls/Personal Protection

- Control Parameters** : No occupational exposure limit available.
- DNEL Exposure Limit Values** : Alkyl derivs, disodium salts – CAS: 68604-71-7
- Worker Professional : 980 mg/m³ - Exposure: Human Inhalation – Frequency: Long Term, systemic effects

Worker Professional	:	2.67 mg/kg – Exposure: Human Dermal – Frequency: Long Term, systemic effects
PNEC Exposure Limit Values	:	Alkyl derivs, disodium salts – CAS: 68604-71-7
Target: Fresh Water	:	Value: 0.1 mg/l
Target: Marine Water	:	Value: 0.01 mg/l
Target: Water (intermittent discharge)	:	Value: 0.1 mg/l
Target: STP waste treatment plant	:	Value: 0.3 mg/l
Exposure Controls		
Eye Protection	:	Eyeglasses with side protection.
Protection for skin	:	Overall. Safety shoes. Lab coat.
Protection for hands	:	Suitable gloves type: Chemical resistant gloves (EN 374). One-time gloves.
Respiratory protection	:	In the case in which the product, during the application, develops fog and/or aerosol: Filtering device (DIN EN 147).
Thermal Hazards	:	None.
Environmental exposure controls	:	None. Use good hygiene practices and workplace safety.
Appropriate engineering controls	:	None.

9. Physical and Chemical Properties

Physical State	:	Liquid	Vapor Pressure	:	N.A.
Color	:	Light yellow	Relative Vapor Density	:	N.A.
Odor	:	Characteristic	Solubility in Water	:	Completely soluble
Density and/or Relative Density	:	1.03 g/mL approx.	Solubility in Oil	:	N.A.
pH	:	6.2	Auto-ignition Temperature	:	Not relevant
Melting Point/Freezing Point	:	N.A.	Decomposition Temperature	:	Not relevant
Boiling Point or Initial Point and Boiling Range	:	N.A.	Partition Coefficient n-octanol/water (log value)	:	N.A.
Flammability	:	N.A.	Flash Point	:	>100°C
Lower and Upper Explosion Limit	:	N.A.	Kinematic Viscosity (40°C)	:	> 20.5 mm ² /sec
Particle Size	:	N.A.	Explosive Properties	:	No
Oxidizing Properties	:	No	Fat Solubility	:	Soluble in ethanol

10. Stability and Reactivity

Reactivity	:	Stable under normal conditions.
Chemical Stability	:	Stable under normal conditions.
Possibility of Hazardous Reactions	:	None.
Conditions to Avoid	:	Stable under normal conditions.
Incompatible Materials	:	None in particular.

Hazardous Decomposition Products : None.

11. Toxicological Information

Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008

Toxicological Information of the Product: Eteric AH-HF

- Acute toxicity : Not classified. Based on available data, the classification criteria are not met.
- Skin corrosion/irritation : Not classified. Based on available data, the classification criteria are not met.
- Serious eye damage/irritation : The product is classified: Eye Irrit. 2 H319
- Respiratory or skin sensitization : Not classified. Based on available data, the classification criteria are not met.
- Germ cell mutagenicity : Not classified. Based on available data, the classification criteria are not met.
- Carcinogenicity : Not classified. Based on available data, the classification criteria are not met.
- Reproductive toxicity : Not classified. Based on available data, the classification criteria are not met.
- STOT-single exposure : Not classified. Based on available data, the classification criteria are not met.
- STOT-repeated exposure : Not classified. Based on available data, the classification criteria are not met.
- Aspiration hazard : Not classified. Based on available data, the classification criteria are not met.

Toxicological Information of the Main Substances Found in the Product:

Alkyl derivs, disodium salts – CAS: 68604-71-7

- Acute toxicity : Test: LD50 – Route: Oral – Species: Rat > 2000mg/kg – Source: Read-across data
- Skin corrosion/irritation : Test: Eye Irritant – Route: Eyes – Species: Rabbit Positive
Test: Skin Irritant – Route: Skin – Species: Rabbit Negative
- Respiratory or skin sensitization : Test: Skin Sensitization – Route: Skin – Species: Guinea Pig Negative
- Germ cell mutagenicity : Test: Mutagenesis – Species: Generic Bacteria Negative
- Reproductive toxicity : Test: No observed Adverse Effect Level – Route: Oral – Species: Rat > 43mg/kg
- STOT-repeated exposure : Test: No observed Adverse Effect Level – Route: Oral – Species: Rat > 43mg/kg – Source: Read-across data

Information on Other Hazards

- Endocrine disrupting properties : No endocrine disruptor substances present in concentration $\geq 0.1\%$.

12. Ecological Information

- Toxicity** : Adopt good workplace practices, so that the product is not released into the environment.
- Eteric AH-HF** : Not classified for environmental hazards. Based on available data, the classification criteria are not met.
- Alkyl Derivs, Disodium Salts – CAS: 68604-71-7**
 - Aquatic acute toxicity : Endpoint: EC50 – Species: Algae = 9.4 mg/l – Duration h: 72 – Notes: Chlorella vulgaris

Endpoint: EC50 – Species: Daphnia = 29 mg/l – Duration h: 48 – Notes: Daphnia magna
 Endpoint: EC10 – Species: Algae = 5.5 mg/l – Duration h: 72 – Notes: Chlorella vulgaris
 Endpoint: NOEC – Species: Algae = 5.5 mg/l – Duration h: 72 – Notes: Chlorella vulgaris
 Endpoint: LC50 – Species: Fish = 4.2 mg/l – Duration h: 96 – Notes: Oncorhynchus mykiss
 Endpoint: EC50 – Species: Bacteria = 300 mg/l – Duration h: 3 – Notes: Activated sludge
 Aquatic chronic toxicity : Endpoint: NOEC – Species: Daphnia = 10 mg/l – Duration h: 504 – Notes: Daphnia magna

Persistence and Degradability
Alkyl derivs, disodium salts – CAS: 68604-71-7

Biodegradability : Readily biodegradable – Test: Method OECD 301 /B - %: 96
 Bioaccumulative Potential : N.A.
 Mobility in Soil : N.A.
 Results of PBT and vPvB Assessment : vPvB Substances: None
 PBT Substances: None
 Endocrine Disrupting Properties : No endocrine disruptor substances present in concentration $\geq 0.1\%$
 Other Adverse Effects : None

13. Disposal Considerations

Waste Treatment Methods : Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. Transportation Information

UN Number or ID Number : Not classified as dangerous in the meaning of transport regulations.
UN Proper Shipping Name : N.A.
Transport Hazard Class(es) : N.A.
Packing Group : N.A.
Environmental Hazards : ADR-Environmental Pollutant: No
 IMDG-Marine Pollutant: No
Special Precautions for User : N.A.
Maritime Transport in Bulk According to IMO Instruments : N.A.

The Product is Transported in Conditions That Comply with Exemption Criteria for ADR Transport.

15. Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

Dir. 98/24/EC (Risks related to chemical agents at work)
 Dir. 2000/39/EC (Risks related to chemical limit values)
 Regulation (EC) n. 1907/2006 (REACH)
 Regulation (EC) n. 1272/2008 (CLP)
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 Regulation (EU) n. 2020/878
 Regulation (EU) n. 286/2011 (ATP 2 CLP)
 Regulation (EU) n. 618/2012 (ATP 3 CLP)
 Regulation (EU) n. 487/2013 (ATP 4 CLP)
 Regulation (EU) n. 944/2013 (ATP 5 CLP)
 Regulation (EU) n. 605/2014 (ATP 6 CLP)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 Regulation (EU) n. 2016/918 (ATP 8 CLP)
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 Regulation (EU) n. 2017/776 (ATP 10 CLP)
 Regulation (EU) n. 2018/669 (ATP 11 CLP)
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 Regulation (EU) n. 2019/521 (ATP 12 CLP)
 Regulation (EU) n. 2020/217 (ATP 14 CLP)
 Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions Related to the Product or the Substances Contained According to Annex XVII Regulation (EC) 1907/2006 (REACH) and Subsequent Modifications

Restrictions related to the product : Restriction 3
 Restrictions related to the substances contained : No restriction

All the Compounds of this Blend are Listed on TSCA List

Volatile Organic Compounds – VOCs : 0.00%
Volatile Organic Compounds – VOCs : 0.00 g/l
Volatile CMR Substances : 0.00%
Halogenated VOCs which are assigned the risk phrase R40 : 0.00%
Organic Carbon – C : 0.00
Where applicable, refer to the following regulatory provisions : Directive 2012/18/EU (Seveso III)
 Regulation (EC) nr 648/2004 (detergents)
 Dir. 2004/42/EC (VOC directive)

Provisions Related to Directive EU 2012/18 (Seveso III)

Seveso III category according to Annex 1, part 1 : None

Chemical Safety Assessment : No Chemical Safety Assessment has been carried out for the mixture.

16. Other Information

Legend:

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC50: Effective Concentration 50%

EPA: Environmental Protection Agency

IMDG: International Maritime Dangerous Goods

IOC: Inventory of Chemicals

LC: Lethal Concentration

LD: Lethal Dose

NOEC: No observable effect concentration

OECD: Organization for Economic Co-operation and Development

STOT: Specific Target Organ Toxicity

TSCA: Toxic Substance Control Act

Disclaimer:

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