

## SAFETY DATA SHEET

Conforms to the requirements of the United States Hazard Communication regulation 29 CFR 1910.1200

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name: **Velox EC-L4**  
 INCI Name: Laureth-4 Carboxylic acid

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

Uses of the Substance/Mixture: Surfactant, emulsifier, detergent ingredient, (for further information refer to the product technical datasheet)

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

Company: Gray Beard Solutions  
 1931G Rohlwing Road  
 Rolling Meadows, IL 60008

Prepared by: SDS Coordinator

Date prepared: 9/4/2020

Supersedes: 4/30/2019

Revision: Review and update

#### 1.4 Emergency telephone

Emergency telephone number: CHEMTREC 800-424-9300

### 2. Hazards identification

#### 2.1 Emergency overview

Appearance: Clear solution with characteristic odor  
 Precautionary statements: Causes serious eye damage

#### GHS classification

##### Health

Eye damage/irritation Category 1

#### 2.2 GHS label elements, including precautionary statements



Hazard pictograms/symbols

Signal Word:

DANGER

Hazard Statements:

H318: Causes serious eye damage

Precautionary Statements:

#### Prevention

P280: Wear protective gloves and eye, face and foot protection

#### Response

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310: Immediately call a POISON CENTER or doctor/physician

#### Storage/Disposal

P501: Dispose of contents and container to an approved waste disposal plant

#### 2.3 Other hazards

No information available

### 3. Composition/information on ingredients

#### 3.1 Information on components and impurities

Chemical name	CAS number(s)	GHS Classification	Concentration, %
Poly(oxy-1,2-ethanediyl), $\alpha$ -(carboxymethyl)- $\omega$ -hydroxy-, C12-14-alkyl ethers	220622-96-8	Eye damage/irritation: Category 1, Skin corrosion/irritation: Category 2; H315, H318	$\geq 88$ - $\leq 92$
Water	7732-18-5	Not classified	$\geq 8$ - $\leq 12$

<b>4. First aid measures</b>	
<b>4.1 Description of first-aid measures</b>	
General advice:	Show this material safety data sheet to medical personnel. Do not leave affected person unattended. Isolate exposed apparel for laundry before re-use.
Eye contact:	Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.
Skin contact:	Take off contaminated clothing and shoes immediately. Wash affected areas with plenty of water. Seek medical attention if irritation develops or persists.
Ingestion:	Do NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Rinse mouth with water. Seek medical attention.
If inhaled:	Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
Risks:	The most important known symptoms and effects are described in the labeling (section 2.2) and/or in section 11. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result. Prolonged or repeated skin contact may aggravate existing skin conditions. Inhalation of mists may aggravate existing chronic respiratory conditions such as asthma, emphysema or bronchitis.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
Note to physician:	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.
<b>5. Firefighting measures</b>	
<b>Flash Point and Method:</b> Does not flash <100°C	
<b>5.1 Extinguishing media</b>	
Suitable extinguishing media:	The product is not flammable Use media suitable for the material that is burning
Unsuitable extinguishing media:	No data available
<b>5.2 Special hazards arising from the substance or mixture</b>	
Special hazards during fire fighting:	Container may rupture on heating
On combustion or on thermal decomposition:	May include carbon oxides, nitrogen oxides
<b>5.3 Advice for firefighters</b>	
Special protective equipment for firefighters:	As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.
Specific firefighting methods:	No special methods required. Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side. Contain the extinguishing fluids by diking.
<b>6. Accidental release measures</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Spill area may be slippery. Wear appropriate protective equipment (See Section 8).	
<b>6.2 Environmental precautions</b>	
Avoid contact of spilled material and runoff with soil and surface waterways	
<b>6.3 Methods and material for containment and cleaning up</b>	
Recovery:	Stop leak if safe to do so. Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread. Keep in suitable, properly labeled, closed containers for disposal.
Decontamination/ cleaning:	Wash non-recoverable remainder with large amounts of water. Clean contaminated surfaces thoroughly. Recover the cleaning water for subsequent disposal.
Disposal:	Dispose of in accordance with local regulations
Additional advice:	Spill area may be slippery
<b>6.4 Reference to other sections</b>	
No information available	

<b>7. Handling and storage</b>	
<b>7.1 Precautions for safe handling</b>	
Technical measures:	Does not require any specific or particular measures
Advice on safe handling and usage:	Wear appropriate protective equipment including long chemical resistant gloves, chemical splash goggles and protective footwear. Handle in accordance with good industrial hygiene and safety practice. Do not spray toward face. Wash affected areas after use. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
Technical measures for storage:	Does not require any specific or particular measures
<b>Storage conditions</b>	Storage class (TRGS 510): Non-combustible, corrosive materials
Recommended:	Keep container tightly closed. Opened containers must be carefully resealed and kept upright to prevent leakage.
Incompatible products:	Hazardous reactions may occur on contact with certain chemicals. Refer to the list of incompatible materials section 10: "Incompatible materials"
<b>7.3 Specific end use(s)</b>	
No information available	

## 8. Exposure controls/personal protection

### Introductory remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers

### 8.1 Control parameters

Components with workplace control parameters

Components	Value	Control parameters	Basis
Contains no substances with occupational exposure limit values			

### 8.2 Exposure controls

#### Control measures

Engineering measures: Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

#### Personal protective equipment

Respiratory protection: In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

Hand protection: Wear long chemical resistant gloves. Observe instructions regarding permeability and breakthrough time provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion and contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection: Wear chemical splash goggles.

Skin and body protection: Wear footwear protecting against chemicals, and impervious clothing. Choose body protection according to the amount and concentration of the substances in the workplace.

Hygiene measures: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:  
 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.  
 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.  
 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

Protective measures: Ensure that eyewash stations and safety showers are close to the workstation location, and that emergency equipment is immediately accessible with instructions for use.  
 The protective equipment must be selected in accordance with current local standards and in following proper use instructions from the supplier of the protective equipment.  
 Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

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**9. Physical and chemical properties**

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Physical and chemical properties listed represent typical properties and should not be considered product specifications. Refer to product Certificate of Analysis for Product Specifications or contact Gray Beard Solutions for additional information.

**9.1 Information on basic physical and chemical properties**

Appearance:	Clear solution
Odor:	Characteristic odor
Odor Threshold:	No information available
pH:	2.0-3.5 (1% solution @20°C)
Freezing point:	No information available
Melting point/range:	15°C
Boiling point/boiling range:	>100°C
Flash point:	Does not flash <100°C
Evaporation rate:	No information available
Flammability (solid, gas):	Not applicable
Flammability/Explosive limit:	No information available
Auto-ignition temperature:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Density:	0.98 g/ml, 8.2 lbs/gal (20°C)
Solubility:	Water solubility: soluble
Solubility in other solvents:	No information available
Partition coefficient: n-octanol/water:	No information available
Thermal decomposition:	No information available
Viscosity:	Moderate viscosity
Explosive properties:	No information available
Oxidizing properties:	No information available

**9.2 Other information**

No information available

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**10. Stability and reactivity**

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**10.1 Reactivity**

No information available

**10.2 Chemical stability**

Stable and non-reactive under normal conditions of use, storage and transport

**10.3 Possibility of hazardous reactions**

No information available

**10.4 Conditions to avoid**

No information available

**10.5 Incompatible materials**

No information available

**10.6 Hazardous decomposition products**

Oxides of carbon

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**11. Toxicological information**

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**11.1 Information on toxicological effects****Acute toxicity**

Acute oral:	LD <sub>50</sub> >2000 mg/kg
Acute dermal:	No information available
Acute inhalation:	No information available
Acute toxicity (other):	No information available

**Skin corrosion/irritation**

Skin irritation:	Causes skin irritation
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**Serious eye damage/eye irritation**

Eye irritation:	Causes serious eye damage
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**Respiratory or skin sensitization**

Sensitization:	Not classified as sensitizing by skin contact
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**CMR Summary-****Carcinogenicity**

Carcinogenicity:	This product does not contain any ingredient designated as probable or suspected human carcinogens by IARC, ACGIH
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**Mutagenicity**

Genotoxicity in vitro:	No information available
Genotoxicity in vivo:	No information available

**Reproduction and development toxicity**

Toxicity to reproduction/fertility:	No information available
Developmental toxicity/teratogenicity:	No information available

**Specific Target Organ Toxicity (STOT)**

STOT-single exposure:

No information available

STOT-repeated exposure:

No information available

**Aspiration toxicity**

Aspiration toxicity:

No information available

**Other Hazards**

No information available

**12. Ecological information****12.1 Toxicity**

Aquatic toxicity:

Fish LC<sub>50</sub>: 7.5 mg/l, 96 hours  
Not classified as hazardous to aquatic environment**12.2 Persistence and degradability**

Biodegradation:

Readily biodegradable, 89% (28 days), OECD301D

**12.3 Bioaccumulative potential**

Partition coefficient: n-octanol/water:

No bioaccumulation is to be expected (log Pow&lt;=4)

Bioconcentration factor (BCF):

No information available

**12.4 Mobility in soil**Known distribution to  
environmental compartments:

No information available

**12.5 Results of PBT and vPvB assessment**

No information available

**12.6 Other adverse effects**

Environmental assessment:

No other adverse environmental effects (e.g. ozone depletion, photochemical  
ozone creation potential, endocrine disruption, global warming potential) are  
expected from this product.**13. Disposal considerations****13.1 Waste treatment methods**

RCRA Waste Code:

Not regulated under RCRA 40CFR261

Product disposal:

Observe all applicable federal, state, and local regulations

Packaging:

Remove all residue when emptying

**14. Transportation information**

DOT Hazard Classification:

Not regulated

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Notification status:**

COUNTRY	LIST	STATUS
USA	TSCA	Listed or in compliance with the requirements the inventory; 220622-96-8
Canada	NDSL	Listed or in compliance with the requirements the inventory
EU	EINECS	Listed or in compliance with the requirements the inventory; 27306-90-7, 606-920-4, 608-079-9, 616-082-1
	REACH	List of Pre-Registered Substances
China	IECSC	Listed or in compliance with the requirements the inventory
Korea	ECL	Listed or in compliance with the requirements the inventory; 2004-3-2756
New Zealand	NZIoC	Listed or in compliance with the requirements the inventory
Philippines	PICCS	Listed or in compliance with the requirements the inventory

**OSHA Hazard Communication Standard (29 CFR 1910.1200):**

Hazardous

**CERCLA (RQ)**

Ingredient(s)	CAS#	Weight	CERCLA RQ	Section 302 TPQ
Not listed				

**SARA/EPCRA Extremely Hazardous Substances (302/304)**

Ingredient(s)	CAS#	Weight	RQ	TPQ
Not listed				

**SARA Hazard Categories (311/312)**

Fire	Reactive	Acute health hazard	Chronic health hazard
No	No	Yes	No

**SARA Toxic Substances (313)** The following components are subject to SARA Section 313 reporting requirements

Ingredient(s)	CAS#	Weight
Not listed		

**CAA (311) Volatile Organic compounds**

Ingredient(s)	CAS#	Weight
Not listed		

**State regulations**

## 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.

## Carcinogens &amp; Reproductive Toxicity (CRT):

Not listed

## CARB Identified Toxic Air Contaminants:

Not listed

## SB-258 Cleaning Products Right to Know:

Not listed

**15.2 Other regulations****WHMIS Classification**

Classified in accordance with Health Canada Hazardous Products Regulations (SOR/2015-17)

Classification: Class D2B: Material causing other toxic effects

**Harmonized Tariff Schedule Codes**

US Census Bureau Schedule B (2014): 3402.11.0000

Departmental Consolidation of the *Customs Tariff* (2014) (Canada): 3402.11.0000

**Chemical Weapons Convention List Schedules I, II & III Chemicals**

Not listed

**Montreal Protocol (Annexes A, B, C, E)**

Not listed

**Stockholm Convention on Persistent Organic Pollutants**

Not listed

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed

**16. Other information**

NFPA-Classification		HMIS-Classification	
Health	2 moderate	Health	2 moderate
Flammability	0 insignificant	Flammability	0 insignificant
Instability or Reactivity	0 insignificant	Reactivity	0 insignificant
		HMIS PPE	B
		B=Safety glasses, Gloves	

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH: American Conference of Governmental Industrial Hygienists		NIOSH: National Institute for Occupational Safety and Health	
HMIS: Hazardous Materials Identification System		NTP: National Toxicology Program	
IARC: International Agency for Research on Cancer		OSHA: Occupational Safety and Health Administration	
NFPA: National Fire Protection Association			

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