

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 BT-18 O INCI Name: Oleyl betaine
1.2 Relevant identified uses of the substance or mixture and uses advised against	Uses of the Substance/Mixture: Wetting agent, foaming agent, surfactant (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: 4/2/2023 Supersedes: 9/9//2020 Reason: Review and update
1.4 Emergency telephone	Emergency telephone number: CHEMTREC 800-424-9300

2. Hazards identification	
2.1 Emergency overview	Appearance: Colorless to light amber liquid with a mild odor. Warning statements: Causes eye irritation. Repeated/prolonged contact may cause skin irritation. This product is NOT considered a dermal sensitizing agent. Inhalation may cause mucous membrane irritation. Ingestion may cause gastrointestinal discomfort including irritation, nausea and diarrhea

GHS classification in accordance with United States Hazard Communication regulation 29 CFR 1910.1200

Eye Damage/Irritation Category 2B

2.2 GHS label elements	
Hazard pictograms/symbols	Not classified
Signal Word:	Warning
Hazard Statements:	H320: Causes eye irritation
Precautionary Statements:	Prevention P264: Wash thoroughly after handling 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. P337+P313: If eye irritation persists, get medical advice/attention. Storage/Disposal P363: Keep container tightly closed P501: Dispose of contents/container to an approved waste disposal plant
2.3 Other hazards	No information available

3. Composition/information on ingredients			
.1 Information on components and impurities			
Chemical name	CAS number(s)	GHS Classification	Concentration, %
9-Octadecen-1-aminium, N-(carboxymethyl)-N,N-dimethyl-, inner salt	871-37-4	Eye damage/irritation: Category 2B; H320	≥26-≤30
Sodium chloride	7647-14-4	Not classified	≥3-≤5
Water	7732-18-5	Not classified	Balance

4. First aid measures	
4.1 Description of first-aid measures	
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.
If inhaled:	Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Skin contact:	Wash affected areas with plenty of water. Seek medical attention if irritation develops or persists.
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.
Ingestion:	Do not give anything by mouth to an unconscious or convulsing person. Rinse mouth with water. Prevent aspiration of vomit.
4.2 Most important symptoms and effects, both acute and delayed	
Risks:	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.
4.3 Indication of any immediate medical attention and special treatment needed	
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.
5. Firefighting measures	
Flash Point and Method:	No flash <212°F/100°C (SetaCC)
Flammability class:	This product is not combustible
Autoignition temperature:	No information available
Flammability/Explosive limit:	No information available
5.1 Extinguishing media	
Suitable extinguishing media:	Water spray, foam, multi-purpose powders, carbon dioxide (CO ₂) Use media suitable for the material that is burning.
Unsuitable extinguishing media:	High volume water jet (frothing possible)
5.2 Special hazards arising from the substance or mixture	
Special hazards during fire fighting:	Container may rupture on heating. Harmful or toxic vapors may be released.
On combustion or on thermal decomposition:	On combustion release of carbon oxides
5.3 Advice for firefighters	
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:	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
6. Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	
	Spill area may be slippery. Wear appropriate protective equipment (See Section 8).
6.2 Environmental precautions	
	Do not flush into surface water or sanitary sewer system
6.3 Methods and material for containment and cleaning up	
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
6.4 Reference to other sections	
	No information available
7. Handling and storage	
7.1 Precautions for safe handling	
Technical measures:	Does not require any specific or particular measures
Advice on safe handling and usage:	Wear appropriate protective equipment. Handle in accordance with good industrial hygiene and safety practice.
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures for storage:	Does not require any specific or particular measures

Storage conditions

Recommended:

Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30°C. If material freezes, gently thaw prior to use. Mild agitation may be required.

Incompatible products:

Hazardous reactions may occur on contact with certain chemicals. Refer to the list of incompatible materials section 10: "Stability-Reactivity"

7.3**Specific end use(s)**

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 type	Value	Basis
Contains no substances with occupational exposure limit values			

8.2 Exposure controls**Control measures**

Engineering measures: In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

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 natural rubber 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.

Eye protection: Wear safety glasses with side shields or goggles. Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

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.

Protective measures: 3) Wash exposed skin promptly to remove accidental splashes or contact with material. 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.

9. Physical and chemical properties

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: Pale amber liquid/gel
 Odor: Mild characteristic soapy
 Odor Threshold: No data available
 pH: 5.5-8.5 (10% aqueous solution)
 Freezing point: No information available
 Melting point/range: No information available
 Boiling point/boiling range: No information available

	Flash point:	>100 °C closed cup
	Evaporation rate:	No information available
	Flammability (solid, gas):	No information available
	Flammability/Explosive limit:	No information available
	Auto-ignition temperature:	No information available
	Vapor pressure:	No information available
	Vapor density:	No information available
	Density:	1.00 g/ml (25°C)
	Solubility:	Water solubility: soluble
	Solubility in other solvents:	Alcohols: soluble
	Partition coefficient: n-octanol/water:	Not applicable Surface-Active
	Thermal decomposition:	No information available
	Viscosity:	Low viscosity
	Explosive properties:	No information available
	Oxidizing properties:	Not considered as oxidizing, Structure-activity relationship (SAR)
9.2	Other information	
	Ionic character:	Amphoteric
10.	Stability and reactivity	
10.1	Reactivity	
		No information available
10.2	Chemical stability	
		Stable under normal conditions
10.3	Possibility of hazardous reactions	
		Hazardous polymerization does not occur
10.4	Conditions to avoid	
		No information available
10.5	Incompatible materials	
		No information available
10.6	Hazardous decomposition products	
		On combustion or on thermal decomposition: oxides of carbon and nitrogen, aldehydes, flammable hydrocarbon fragments
11.	Toxicological information	
11.1	Information on toxicological effects	
	Acute toxicity	
	Acute oral:	LD ₅₀ >2,000 mg/kg
	Acute dermal:	LD ₅₀ >5,000 mg/kg
	Acute inhalation:	No information available
	Acute toxicity (other routes of administration):	No information available
	Skin corrosion/irritation	
	Skin irritation:	Non-irritating
	Serious eye damage/eye irritation	
	Eye irritation:	Causes eye irritation
	Respiratory or skin sensitization	
	Sensitization:	Not classified as sensitizing by skin contact
CMR Summary-		
	Carcinogenicity	
	Carcinogenicity:	This product does not contain any ingredient designated as probable or suspected human carcinogens by IARC, ACGIH
	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:	Not a toxicant
	STOT-repeated exposure:	No information available
	Aspiration toxicity	
	Aspiration toxicity:	Based on physical properties, not likely to be an aspiration hazard
	Other Hazards	
	Methyl Alcohol-	
	Ingestion of methyl alcohol can cause blindness in humans.	
	Acute Inhalation Toxicity LD ₅₀ (Rat)	64,000ppm/1hr
	Acute Oral Toxicity LD ₅₀ (Rat)	>5ml/kg
12.	Ecological information	

12.1	Toxicity	Aquatic toxicity:	No information available
12.2	Persistence and degradability	Biodegradation:	66% degradation/30 days (OECD 301D) 79% degradation/28 days (OECD 301E) Readily biodegradable
12.3	Bioaccumulative potential	Partition coefficient: n-octanol/water: Bioconcentration factor (BCF):	Not applicable Surface-Active Not bioaccumulable
12.4	Mobility in soil	Known distribution to environmental compartments:	Ultimate destination of the product : Water/Sediment
12.5	Results of PBT and vPvB assessment	No information available	
12.6	Other adverse effects	Environmental assessment:	No information available

13. Disposal considerations

13.1	Waste treatment methods	RCRA Waste Code: Product disposal: Packaging:	Not regulated under RCRA 40CFR261 Observe all applicable federal, state, and local regulations. Remove all residue when emptying.
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14. Transportation information

DOT Hazard Classification: Not dangerous goods, not regulated

15. Regulatory information

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

Notification status:

Country	Regulatory list	Notification
USA	TSCA	Listed or in compliance with the requirements the inventory
	FDA	UNII Code: T4052HS20F
Canada	DSL	Listed or in compliance with the requirements the inventory
EU	EINECS	Listed or in compliance with the requirements the inventory; EINECS: 212-806-1
Australia	AICS	Listed or in compliance with the requirements the inventory
China	IECSC	Listed or in compliance with the requirements the inventory
Japan	ENCS	Listed or in compliance with the requirements the inventory; ENCS Serial No.: 2-1291X
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 (26 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
Yes	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		

CWA (301/307/311) Designated a hazardous substance if discharged in navigable waters

Ingredient(s)	CAS#	Weight	RQ
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 & 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**

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR

Classification: Not controlled

Harmonized Tariff Schedule Codes

US Census Bureau Schedule B (2014): 3402.19.0000

Departmental Consolidation of the *Customs Tariff* (2014) (Canada): 3402.19.0000

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	1 slight	Health	1 slight
Flammability	0 minimal	Flammability	0 minimal
Instability or Reactivity	0 minimal	Reactivity	0 minimal
		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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