

## HEALTH & SAFETY DATA SHEET

### TITLE 1 : Identification of the substance / Preparation and Company

#### 1.1. Identification of the product

Product Form : Liquid  
Product Name : FOAM LIQUID CONCENTRATE STANDARD 2/3 % - 5 & 20L - JB SYSTEMS  
(REF : 04830 / REF : 04831)  
Concentrate to mix according to the percentage indicated below

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

##### 1.2.1 Relevant identified uses

Application of the substance / preparation: Liquid formulation for foam production. Used for large volume filling  
Version Standard: 3 % concentrated liquid - 97 % water

Spec. Industrial / professional use: For professional use & Consumer use

##### 1.2.2. unsuitable uses

No additional information available

#### 1.3. Details of the Company

**Beglec NV**  
't Hofveld 2C  
1702 Groot-Bijgaarden - Belgium  
Tel +32 2 481 70 70 - Fax + 32 2 481 70 76 - Website : [www.beglec.com](http://www.beglec.com)

#### 1.4. Emergency call number

Country	Company	Emergency Number
France	ORFILA	+33 (0) 1 45 42 59 59

### TITLE 2 : Hazard Identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 and its adaptations

Corrosive / irritating to the skin, Category 2 H315  
Serious eye damage / eye irritation, Category 1 Eye Dam 1, H318  
Chronic toxicity to the aquatic environment, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical danger. See the recommendations concerning the other products present in the place.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms (CLP):



GHS05

Signal word (CLP): Danger

Hazardous ingredients: EC500-234-8 / Alcohols , C12-14, Ethoxyles, sulphates, sodium salt

Hazard statements (CLP):

H315 - Causes skin irritation  
H318 - Causes serious eye damage

H412 - Harmful to aquatic life, causes long-term adverse effects

Precautionary statements (CLP):

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P264 - Wash hands thoroughly after handling

P280 - Wear protective gloves

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P305 + P351 + P338 - IF IN EYES

Rinse cautiously with water for several minutes.

Remove contact lenses if the victim does and if they can be easily removed. Continue rinsing

P310 - Call a physician immediately

P321 - Specific treatment (see supplemental first aid instruction on this label)

P332 + P313 - If skin irritation occurs: Get medical advice

P501 - Dispose of the can as a hazardous material by a specialized industry

### **2.3. Other hazards**

The mixture does not contain 'Substances of very high concern' (SVHC) > = 0.1% published by the European Chemicals Agency (ECHA) according to article 57 of REACH: <http://echa.europa.eu/en/candidate-list-table>

The mixture does not meet the criteria for PBT or vPvB mixtures according to Annex XIII of REACH Regulation (EC) No 1907/2006.

### **TITLE 3 : Composition/Informations on ingredients**

#### **3.1. Substance**

Not applicable

#### **3.2. Mixture**

Identification	(CE) 1272/2008	Nota	%
INDEX: 00061 CAS: 68891-38-3 EC: 500-234-8 REACH: 01-2119488639-16 ALCOOLS, C12-14, ETHOXYLES, SULPHATES, SEL DE SODIUM	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		10 <= x % < 25
INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44 (BUTOXYETHOXY)ETHANOL -2	GHS07 Wng Eye Irrit. 2, H319	[1]	2.5 <= x % < 10
INDEX: 0060 CAS: 68515-73-1 EC: 500-220-1 REACH: 01-2119488530-36 D-GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		2.5 <= x % < 10
INDEX: 0031 CAS: 61789-40-0 EC: 263-058-8 REACH: 01-2119513359-38 COCOAMIDOPROPYL DIMETHYL BETAINE	GHS05 Dgr Eye Dam. 1, H318 Aquatic Chronic 3, H412		2.5 <= x % < 10
INDEX: 0117 CAS: 110615-47-9 EC: 600-975-8 REACH: 01-2119489418-23 POLYGLYCOSIDES D'ALKYLE	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		0 <= x % < 2.5
INDEX: 000161 CAS: 142-31-4 EC: 205-535-5 REACH: 01-2119966154-35 SULFATE DE SODIUM ET D'OCTYLE	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		0 <= x % < 2.5
INDEX: 000131 CAS: 112-53-8 EC: 203-982-0 REACH: 01-2119485976-15 DODECAN 1-OL	GHS07, GHS09 Wng Eye Irrit. 2, H319 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1	[1]	0 <= x % < 2.5
INDEX: 000107 CAS: 112-72-1 EC: 204-000-3 1-TÉTRADÉCANOL	GHS07, GHS09 Wng Eye Irrit. 2, H319 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 <= x % < 2.5

Component Information:

[1] Substance for which there are occupational exposure limit values.

## TITLE 4 : First Aid

In general, if in doubt or if symptoms persist, always seek medical attention.  
NEVER give anything to an unconscious person.

### 4.1. Description of the first aid

In case of contact with the eyes:	Wash thoroughly with fresh, clean water for 15 minutes holding eyelids apart. Whatever the initial state, systematically address the subject to an ophthalmologist, showing him the label.
In case of contact with the skin:	Remove impregnated clothing and wash skin thoroughly with soap and water or use a known cleaner. Beware of the product that may exist between the skin and clothing, watch, shoes. When the contaminated area is extensive and / or skin lesions appear, it is necessary to consult a doctor or transfer to a hospital.
In case of ingestion :	Do nothing absorb by mouth. In case of ingestion, if quantity is small (no more than one sip), rinse mouth with water and seek medical attention. Keep at rest. Do not induce vomiting. Immediately call a doctor and show him the label. In the event of accidental ingestion call a doctor to judge the desirability of monitoring and subsequent treatment in hospital, if necessary. Show the label.

### 4.2. Important symptoms and effects, both acute and delayed

No data available

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

No data available

## TITLE 5 : Measures against fire

### 5.1. Extinguishing Media

Suitable extinguishing media:	Foam. Dry powder. Carbon dioxide. Water spray. Sand
Unsuitable extinguishing media:	Do not use a heavy water stream.

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

A fire will often produce a thick black smoke.	Exposure to decomposition products may be hazardous to health. Do not inhale the smoke.
In case of fire, can be formed:	- carbon monoxide (CO) - carbon dioxide (CO2)

### 5.3. Advice for firefighters

Protection during firefighting :	No data available.
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## TITLE 6 : Measures in case of Accidental Release

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

Refer to the protective measures listed in sections 7 and 8.

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

#### 6.1.1. For non-emergency personnel

Emergency procedures :	Avoid contact with skin and eyes.
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#### 6.1.2. For emergency responders

Protective equipment :	Stakeholders will be equipped with appropriate personal protection equipment (Refer to section 8).
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### 6.2. Precautions for environmental protection

Contain and collect leaks with non-combustible absorbent materials, eg: sand, earth, vermiculite, diatomaceous earth in drums for disposal.  
Prevent entry into sewers or waterways.

### 6.3. Methods and materials for containment and cleaning

Neutralize with an acid decontaminant.  
Clean preferably with detergent, avoid the use of solvents.

### 6.4. Reference to other sections

No data available

## TITLE 7 : Handling & Storage

Requirements for storage area are applicable to workshops where the mixture is handled.

### 7.1. Precautions for safe handling

Precautions for safe handling:	Wash your hands after every use. Remove and wash contaminated clothing before reuse. Ensure adequate ventilation, especially in confined areas. Provide safety showers and eye fountains in workshops where the mix is handled consistently.
Fire prevention:	Handle in well ventilated areas. Prohibit access to unauthorized persons.
Recommended equipment and procedures:	For personal protection, see section 8. Observe the precautions indicated on the label as well as the regulations of the labor protection. It is imperative to avoid contact of the mixture with the eyes. The opened packaging must be closed carefully and kept in a vertical position.
Prohibited equipment and procedures:	It is forbidden to smoke, eat and drink in the premises where the mixture is used.

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

	No data available
Storage conditions :	Keep out of the reach of children. Keep container tightly closed in a dry, well-ventilated place. The floor of the premises will be impervious and will form a retention basin so that in the event of an accidental spill, the liquid can not spread outside.
Packaging :	Always keep in packaging of the same material as the original.
<b>7.3. Use (s) final (s) specific (s)</b>	No data available.

## TITLE 8 : Exposure controls / personal protection

### 8.1. Control parameters

No additional information available

### SECTION 8: Exposure controls / personal protection

#### 8.1. Control parameters

##### Occupational exposure limit values:

- European Union (2017/164 / EU, 2009/161 / EU, 2006/15 / EC, 2000/39 / EC, 98/24 / EC)

CAS	VME-mg/m3 : VME-ppm :	VLE-mg/m3 : VLE-ppm :	Notes :
112-34-5	67.5	10	101.2

- Allemagne - AGW ( BAuA - TRGS 900, 07/06/2017)

CAS	VME :	VME :	Dépassement	Remarques
112-34-5		10 ppm		1,5 (I)
		67 mg/m3		
112-53-8		20 ppm		1( )
		155 mg/m3		
112-72-1		20 ppm		1( )
		178 mg/m3		

- France ( INRS - ED984 : 2016 ):

CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/m3	Notes :	TMP N°
112-34-5	10	67.5	15	101.2	-	-

##### Derived no-effect (DNEL) dose or derived dose with minimum effect (DMEL)

Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)

##### End use:

##### Workers

Exposure :

Skin contact

Potential Health Effects:

Long-Term Systemic Effects

DNEL:

2750 mg / kg body weight / day

Exposure:

Inhalation

Potential Health Effects:

Long-Term Systemic Effects

DNEL:

175 mg of substance / m3

##### End use:

##### Consumers/End user

Exposure :

Ingestion

Potential Health Effects:

Long-Term Systemic Effects

DNEL:

15 mg / kg body weight / day

Exposure :

Skin contact

Potential Health Effects:

Long-Term Systemic Effects

DNEL:

1650 mg / kg body weight / day

Exposure:

Inhalation

Potential Health Effects:

Long-Term Systemic Effects

DNEL:

52 mg of substance / m3

**Predicted concentration with no effect (PNEC):**

Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)

Environmental compartment:	Soil
PNEC:	0.946 mg / kg
Environmental compartment:	Pure water
PNEC:	0.24 mg/l
Environmental compartment:	Sea water
PNEC:	0.024 mg/l
Environmental compartment:	Intermittent discharge water
PNEC:	0.071 mg/l
Environmental compartment:	Fresh water sediment
PNEC:	5,45 mg / kg
Environmental compartment:	Marine sediment
PNEC:	0.545 mg / kg
Environmental compartment:	Wastewater treatment plant
PNEC:	10 000 mg / kg

**8.2. Exposure controls**

**Individual protection measures, such as personal protective equipment**

Pictogram (s) of obligation to wear personal protective equipment (PPE):



Use personal protective equipment that is clean and properly maintained.

Store personal protective equipment in a clean place away from the work area.

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse.

Ensure adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protection designed against liquid splashes.

Before any manipulation, it is necessary to wear glasses with side protection in accordance with standard NF EN166.

In case of increased danger, use a face shield for the protection of the face.

Corrective eyewear is not a protection.

Contact lens wearers are advised to use corrective lenses during work where they may be exposed to irritating vapors.

Provide eye fountains in workshops where the product is handled constantly.

**- Hand protection**

Use suitable protective gloves resistant to chemical agents in accordance with NF EN374.

The selection of gloves should be made according to the application and the duration of use at the workplace.

Protective gloves must be chosen according to the workplace: other chemicals that can be handled, physical protections required (cutting, pitting, thermal protection), dexterity required.

Type of gloves recommended: Natural latex, Nitrile rubber (butadiene-acrylonitrile copolymer (NBR)), PVC (Polyvinyl chloride) , - Butyl rubber (isobutylene-isoprene copolymer)

Recommended characteristics: Impervious gloves in accordance with NF EN374

**- Body protection**

Avoid contact with the skin. Wear appropriate protective clothing.

Type of appropriate protective clothing: In case of strong spatter, wear liquid chemical protective clothing (type 3) in accordance with standard NF EN14605 to avoid contact with the skin.

In case of risk of splashing, wear chemical protective clothing (type 6) in accordance with the NF EN13034 standard to avoid any contact with the skin.

Type of appropriate protective boots: In case of low projections, wear boots or half-boots of protection against the chemical risk in accordance with standard NF EN13832-2.

In case of prolonged contact, wear boots or half-boots with a sole and rod resistant and impervious to liquid chemicals in accordance with standard NF EN13832-3.

Staff personnel will wear a regularly cleaned work uniform.

After contact with the product, all soiled parts of the body should be washed.

## TITLE 9 : Physical and chemical properties

### 9.1. Basic physical and chemical properties Information

#### **General informations:**

Physical state : Viscous liquid  
Colour : Yellow light.

#### **Important health, safety and environmental information**

pH : 10.10 - weak base  
Boiling point / boiling range: Not specified.  
Flash point interval: Not relevant.  
Steering Pressure (50 ° C): Not concerned  
Density: Env. 1.040 (20 ° C)  
Miscibility: 100% H2O  
Hydrosolubility: Soluble.  
Viscosity: env. 50 cST (20 ° C)  
Point / fusion interval: Not precise.  
Point / auto ignition : No data available.  
Point / decomposition interval: Not data available

### 9.2. other information

No additional information available

## TITLE 10 : Stability & Reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

This mixture is stable under the handling and storage conditions recommended in section 7.

### 10.3. Possibility of hazardous reactions

Exposed to high temperatures, the mixture may release hazardous decomposition products, such as carbon monoxide and dioxide, fumes, nitrogen oxide.

### 10.4. Conditions to avoid

To avoid : freezing

### 10.5. Incompatible Materials

Keep away from: strong oxidizing agents

### 10.6. Hazardous decomposition products

Thermal decomposition can release / form:  
Carbon monoxide (CO)  
Carbon dioxide (CO2)

## TITLE 11 : Toxicological information

### 11.1. Information on toxicological effects

May cause reversible skin lesions, such as inflammation of the skin or the formation of erythema and eschar or edema, following exposure for up to four hours.

May cause irreversible eye damage such as ocular tissue damage or severe damage to vision that is not fully reversible within a 21-day observation period.

Serious eye damage is characterized by destruction of the cornea, persistent opacity of the cornea, inflammation of the iris (iritis).

#### 11.1.1 Substances

Skin corrosion / irritation: Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)  
Other guidelines  
Serious eye damage / eye irritation: Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)  
Other guidelines  
Respiratory or skin sensitization: Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)  
Species: Guinea pig  
Germ cell mutagenicity: Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)  
No mutagenic effects  
Carcinogenicity: Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)  
Carcinogenicity test: Negative. No carcinogenic effect.  
Reproductive toxicity: Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)  
No toxic effects for reproduction

### **11.1.2 Liquid mixture**

No toxicological information is available on the mixture.

#### **Substance (s) described in a toxicological file of the INRS (National Institute of Research and Security):**

2- (2-Butoxyethoxy) ethanol (CAS 112-34-5): See MSDS 254.

## **TITLE 12 : Ecological informations**

Harmful to aquatic life, causes long-term effects.

Any discharge of the product into sewers or watercourses should be avoided.

### **12.1. Toxicity**

#### **12.1.1 Substances**

Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)

Toxicity to crustaceans:

EC50 = 7.4 mg / l

Species: Daphnia magna

Duration of exposure: 48 h

OECD Test Guideline 202 (Daphnia sp., Immediate Immobilization Test)

Toxicity to algae :

NOEC = 0.955 mg / l

Species: Scenedesmus subspicatus

Exposure time: 72 h

OECD Test Guideline 201 (Algae, Growth Inhibition Test)

### **12.1.2 Mixture**

No aquatic toxicity information is available on the mixture.

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

#### **12.2.1 Substance**

D-Glucopyranose, Oligomers, decyloctylglycosides ( cas n° 68515-73-1)

Biodegradation:

No degradability data available, the substance is considered not to degrade rapidly.

Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)

Biodegradation:

Rapidly degradable.

### **12.3. Bioaccumulation potential**

#### **12.3.1 Substances**

Alcohols , C12-14, Ethoxyles, sulphates, sodium salt (cas n° 68891-38-3)

Octanol / water partition coefficient:

log K<sub>ow</sub> < 3

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

No additional information available

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

No additional information available

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

Additional information:

No additional information available

## **TITLE 13 : Disposal considerations**

Appropriate waste management of the mixture and / or its container shall be determined in accordance with the provisions of Directive 2008/98 / EC.

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

Do not dump into drains or streams.

Waste:

Waste management is done without endangering human health and without harming the environment, and in particular without creating risk for water, air, soil, fauna or flora.

Recycle or dispose of in accordance with current legislation, preferably by a collector or an approved company.

Do not contaminate soil or water with waste, do not dispose of in the environment.

Contaminated packaging:

Empty the container completely. Keep the label on the container.  
Give to a certified disposal contractor.

## TITLE 14 : Transport information

Exempt from Transport classification and labeling

### 14.1. UN number

### 14.2. UN shipping name

### 14.3. Class (es) hazard ADR transportation

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

## TITLE 15 : Regulatory information

### 15.1. Regulations / legislation specific for the substance or mixture Safety, health and environment

#### - Classification and labeling information in section 2:

The following regulations have been taken into account:

Regulation (EC) No 1272/2008 as amended by Regulation (EU)  
No 2016/1179 (ATP 9)

#### - Information about the packaging:

No data available.

#### - Particular dispositions :

No data available.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## TITLE 16 : Others informations

The mixture must not be used for other purposes than those specified in section 1 without first obtaining written handling instructions.

It is always the responsibility of the user to take all necessary measures to meet the requirements of local laws and regulations.

The information given in this safety data sheet shall be considered as a description of the safety requirements for this mixture and not as a guarantee of the properties of the mixture.

Sentences mentioned in section 3:	
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic organisms
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life, causes long-term adverse effects

### Abbreviations

DNEL:	Derived dose without effect.
PNEC:	Predicted concentration with no effect.
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG:	International Maritime Dangerous Goods.
IATA:	International Air Transport Association.
ICAO:	International Civil Aviation Organization.
RID:	Regulations concerning the International carriage of dangerous goods by rail.
WGK:	Wassergefährdungsklasse (Water Hazard Class).
GHS05:	Corrosion.
PBT:	Persistent, bioaccumulative and toxic.
vPvB:	Very persistent and very bioaccumulative.
SVHC:	Substance of Very High Concern.

EMERGENCY NUMBERS

Austria	Poison Control Centre - Emergency helpline:	+43 1 406 43 43
Belgium	Centre Antipoisons / bruxelles	070 245 245
Bulgaria	National Toxicology Center,	+359 2 9154 233
Croatia	Poison Control Centre	+385 1 23-48-342.
Czech Republic	Toxikologické informační středisko	+420 224 919 293
Denmark	Bispibjerg Hospital - Giftlinjen ring	82 12 12 12
Estonia	Poisoning Information Centre	16 662
Finland	Poison Information Centre	09 471977
France	Orfila	+33 1 45 42 59 59
Germany	Giftnotruf Berlin, Emergency telephone:	+49 30 19240
Greece	Poison Information Centre	+30 2107793777
Hungary	Health Information - Toxicological Service	+36 80 20 11 99
Iceland	Landspítali - Poison Centre	543 2222
Ireland	Poisons information center of ireland	01 809 2166
Italy	Centro anti veleni	+39 02
Latvia	Valsts Toksikoloģijas centrs	+ 371 67042473 or 112
Lithuania	Nuody Centras	+370 687 533 78
Luxembourg	Belgian Poison Center	+352 8002-5500.
Netherlands	Nationaal vergiftigingen informatie centrum	030 274 88 88
Norway	Giftinformasjonen	22 59 13 00
Portugal	CIAV	808 250 143
Romania	Centru de Control Otravă	+402 212 106 282
Slovakia	Narodné Toxikologické Informačné Centrum	+421 (0) 2 5477 4166
Spain	Urgencias toxicológicas	+34 91 562 04 20
Sweden	Giftinformationscentralen (Sverige)	08 33 12 31
United Kingdom	UK National Poisons Emergency number	+44 870 600 6266

**The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

The information contained in this safety data sheet is based on the state of our knowledge on the indicated date. The information given in this sheet should be considered as a description of the product safety requirements, they should not be considered as a warranty or quality specification and have no contractual value on the properties of the product. The information contained in this safety data sheet relates to the specifically designated product, and cannot be valid for a product associated with another product. The conditions or methods of handling, storing, using or eliminating the product are beyond our control and cannot be under our responsibility.