SAFETY DATA SHEET
under Regulation (EC) No. 2015/830

Completed on 15-07-2020
Reviewed: -
Version: I

1 SECTION. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Name of the mixture: **DEZIFOG**

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended for disinfection of various surfaces and premises. Not intended for direct use of people and animals.

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

the company/undertaking:	JSC "Lesta"
Address:	Rudaminos str. 1A, Skaidiškės, LT-13275, Vilniaus distr.
E-mail:	info@lesta.lt
Phone (during working hours):	+370 5 235 02 10
1.4. Help phone number	+370 5 236 20 52 (24 hours a day)

2 SECTION. POSSIBLE HAZARDS

2.1. Classification of the substance or mixture
In accordance with the Regulation (EC) No 1272/2008 of the European Parliament and of the Council: Skin irritation, cat. 2, H315
Severe eye damage, cat. 1, H318
Hazardous to the aquatic environment, category 1 of acute hazard, H400 (M=10)

2.2. Label elements

hazard pictogram(s):

Signal word: Hazardous

Hazard phrase(s):		
	H315	Skin irritant
	H318	Causes severe eye damage
	H400	Very toxic for aquatic organisms

Preventive	P102 Keep out of reach of children. P264 Thoroughly wash hands after use. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing eyes.

	P310 Immediately call a POISON CONTROL AND INFORMATION CENTRE/doctor. P332 + P313 If skin irritation occurs: Get medical advice/attention. P391 Collect spillage.
Storage	
Disposal	P501 Dispose of contents/container in accordance with regulations.

Other information:
For external use only.

2.3. Other hazards
No data

3 SECTION. COMPOSITION OF INFORMATION ON INGREDIENTS

3.1. Components
Not applicable

3.2. Mixtures

Number type	Number	REACH registration No.	Per cent	Name [mass]	Classification according to the Regulation (EC) No. 1278/2008 (CLP) *
Index No. EC No. CAS No.	603-117-00-0 200-661-7 67-63-0	01-2119457558-25-xxxx	<10	propane-2-ol	Flam. Liq.2 H225 Eye Irrit. 2, H319 STOT SE 3, H336
Index No. EC No. CAS No.	- 270-325-2 68424-85-1	01-2119970550-39-xxxx	<4.0	Quaternary ammonium compounds benzyl-C12-14 alkyldimethyl, chlorides	Acute Tox. 4, H302 Skin Corr.1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

* complete text on classification is indicated in section 16.

4 SECTION. FIRST AID MEASURES

4.1. Description of the first aid measures If swallowed
Do not induce vomiting. In all cases, if in doubt and if health damage symptoms occur, get immediate medical advice/attention.

If inhaled
Remove person to fresh air, get medical advice if unwell feeling persists.

If on skin
Rinse with plenty of water. Take off contaminated clothing. Wash or dry clean contaminated clothing before reuse.

If on eyes

If on eyes, can cause irreversible tissue damage. Rinse eyes with plenty of water for over a dozen minutes and get medical advice/attention. Remove contact lenses.

4.2. The most important symptoms and effects (acute and delayed)

Nausea, burning sensation, skin dehydration.

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

No data

5 SECTION. FFIRE FIGHTING MEASURES

5.1. Extinguishing measures

Suitable extinguishing media: water fog, carbon dioxide, dry chemicals
Unsuitable extinguishing media: water flow.

5.2. Special hazards arising from the mixture

No data.

5.3. Advice for fire fighters

Respiratory and eye protection as well as fire-fighters clothing are necessary. Collect fire extinguishing residues. Keep away contaminated fire extinguishing water from entering the drains.

6 SECTION. EMERGENCY RESPONSE EQUIPMENT

6.1. Personal precautionary measures, protection equipment and emergency aid procedures Use respiratory and eye protection, rubber boots, PVC gloves and special clothing. Ensure sufficient ventilation of premises.
Evacuate people to a safe place.

6.2. Environmental precautions

Protect from further leakage and outflows if it is safe to do that. Keep away the product from entering the drains.

6.3. Methods and material for containment and cleaning up

Fill with absorbent material (sand, sorbent), collect into a container for disposal. Residues should be washed with water.

6.4. Reference to other sections

See section 8 and 13.

7 SECTION. USAGE AND STORAGE

7.1. Precautionary measures related to safe handling

Avoid contact with skin and eyes. Use personal protective equipment. Avoid release to the environment.

7.2. Conditions for safe disposal, including all incompatibilities

Keep the package tightly closed. Void to fill ratio of tare and containers should not exceed 0.095. Chemical substances not appropriate to store together: see section 10.

7.3. Specific end use(s)

No data

8 SECTION. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical name	ACGIH-TLV	OSHA-PEL
Propane-2-ol	200ppm	400ppm
Quaternary ammonium compounds, benzyl-C12-14, alkyldimethyl, chlorides	Unknown.	Unknown.

8.2. Exposure control personal protection equipment:

Respiratory protection

Taking into account hazard and explosion possibility, choose a respirator that conforms to the right standard or certificate. Respirators have to be used in accordance with respiratory protection programme, so that proper wear, training and other important usage aspects are ensured.

Hands and skin protection

Working with chemical products it is always necessary to wear gloves that are resistant and impermeable to chemicals, conforming to the requirements of approved standards. In cases when several substances are being used, it is not possible to calculate precise time of safety provided by gloves. > 8 hours (breakthrough time): PVC (1.5 mm).

Eyes protection

Protective goggles or facial shields should be worn if there is a possibility of entering into eyes. It may be required to use a respirator covering the whole face if there is a risk of inhaling.

Other skin protection equipment:

Taking into account the task to be carried out and associated hazards, proper footwear and additional skin protection equipment have to be chosen and confirmed by the specialist before beginning of the work.

Other personal hygiene equipment:

After using chemical products and before eating, smoking, using the bathroom and after finishing the work wash your hands, forearms and face. Potentially contaminated clothing have to be removed in a certain way. Have contaminated clothing washed before usage. Ensure that facilities for rinsing eyes and safety showers are equipped near the working area.

9 SECTION. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information about the main physical and chemical properties

Physical state:	Liquid
Appearance:	Clear, free from mechanical
Hydrogen ion concentration, pH: Density in	impurities. 6,5-8,5
20°C temperature, g/cm³ Crystallisation	>1
temperature, °C	<-50
Solubility in water	Unlimited miscibility with water.
Solubility in organic solvents	Miscible with methanol, acetone.

9.2. Other information

No data

10 SECTION 0. STABILITY AND REACTIVITY

10.1. Reactivity
No data
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
Under normal storage and usage condition no hazardous reaction take place.
10.4. Conditions to avoid
No data
10.5. Non-compatible substances
Strong acids, strongly oxidising agents.
10.6. Hazardous decomposition products
No data

11 SECTION 1. TOXICOLOGICAL INFORMATION

11.1. Information about toxicological effects
Acute toxicity:

Chemical name	Species	Result type	Doze
Quaternary ammonium compounds, benzyl-C12-14, alkyldimethyl, chlorides	Rabbit Rat	LD50 If on skin LD50 Oral LD50 Oral	3412.5 mg/kg 426 mg/kg 795 mg/kg
Propane-2-ol	Rat	LD50 Oral	5 840 mg/kg

Irritation/corrosion

Chemical name	Species	Result
Quaternary ammonium compounds, benzyl-C12-14, alkyldimethyl, chlorides	Rabbit	Skin– Strongly irritant
Propane-2-ol		Skin – no adverse effect is observed (non-irritant) Eye – adverse effect is observed (irritant)

Sensitization

Chemical name	Species	Result

Quaternary ammonium compounds, benzyl-C12-14, alkyldimethyl, chlorides	Guinea pig	Non-sensitising
Propane-2-ol	-	Non-sensitising

Possible effect for health:
Signs and symptoms of short-term effect:
Signs and symptoms: If inhaled - Can irritate respiratory tract.
Signs and symptoms: If swallowed - Swallowing can induce gastro-intestinal irritation, nausea.
Signs and symptoms: If on skin - Can irritate. Symptoms can be redness, irritation and oedema. *Signs and symptoms*: If on eye - Can damage eyes. Symptoms can be pain, lacrimation and redness. **Possible chronic effect for health:** Unknown.
Mutagenicity: Not hazardous according to OSHA / WHMIS criteria.
Carcinogenicity: Unknown.
Effects on reproduction: Not hazardous according to OSHA / WHMIS criteria.
Sensitisation for the material: There are no data indicating that the product can have sensitising effect.
Specific target organ toxicity: None.
Medical conditions that are impeded by too long exposure. Existing skin and eye diseases.

12 SECTION 2. ENVIRONMENTAL INFORMATION

12.1. Toxicity

Chemical name	Species	Effect, hrs	Result
Quaternary ammonium compounds, benzyl-C12-14 alkyldimethyl, chlorides	Algae-Pseudokirchneriella subcapitata	7	Acute EC50 0.049 mg/l fresh water
	Algae- Pseudokirchneriella subcapitata	96	Acute EC50 0.03 mg/l fresh water
	Daphnia	48	Acute EC50 0,016 mg/l fresh water
	Daphnia - Water flea- Daphnia magna	48	Acute EC50 5,9 ppb fresh water
	Micro-organism - activated sludge	3	Acute EC50 7.75 mg/l fresh water
	Fish – Cyprinodon variegatus	96	Acute LC50 1.28 mg/l sea water
	Fish – Lepomis macrochirus	96	Acute LC50 0.515 mg/l fresh water
	Fish – Fathead minnow - Pimephales promelas	96	Acute LC50 0.28 d/ mln fresh water
	Daphnia - Daphnia - Daphnia magna ≥0.0045 mg/l		21 days chronic NOEC fresh water
	Fish – Pimephales promelas	96	chronic NOEC 0.0322 mg/l fresh water

12.2. Persistence and degradability

Chemical name	Test	Result
Quaternary ammonium compounds, benzyl-C12-14, alkyldimethyl, chlorides	OECD 301B Ready Biodegradability - CO_2 Evolution Test	95.5 % - Slightly- 28 days
	OECD 301D Ready Biodegradability - Closed Bottle Test	> 60 % - Slightly- 28 days

12.3. Bioaccumulative potential

Chemical name	$LogP_{ov}$	BCF	Potential
Quaternary ammonium compounds, benzyl-C12-14, alkyldimethyl, chlorides	0.5	-	low
	-	67.62	low

12.4. Mobility in soil

No data

12.5. PBT and vPvB assessment results

No data

12.6. Other adverse effects

The mixture should not get into the drains, water resources or soil.

13 SECTION 3. WASTE MANAGEMENT

13.1. Waste management methods P product

Waste should be prevented or minimized as much as possible. Disposal of this product, its solutions or its other forms of waste must in all cases comply with nature protection requirements and waste management regulations laid down by the local authority. Dispose of residues and non-recyclable products under contract to a licensed waste management contractor. Untreated waste must not be disposed of with waste water unless it fully complies with the requirements of all authorities.

P ackage

Package waste should be recycled. Incineration or landfill should only be considered when recycling is not possible.

S pecial safety measures

Waste and the package must be disposed of in a safe manner. Care must be taken when working with empty uncleaned or unwashed packages. Empty packaging or liners may contain product residue. Make sure that the spilled material does not spread into the environment to prevent it from entering the ground, surface waterways, sewerage and drains.

14 SECTION 4. INFORMATION ON TRANSPORTATION

14.1. UN number

3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE (LIQUID)

14.3. Transport hazard class(es)

9

14.4. Package group

III

14.5. Environmental risks

yes

14.6. Special precautionary measures for users

none

14.7. Shipping of unpacked cargoes in accordance with MARPOL 73/78 Annex II and IBC codex

not provided

15 SECTION 5. INFORMATION ON REGULARISATIONS

15.1. Safety, health and environmental legal acts related with specific substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council
- Regulation (EC) No. 830/2015 of the Commission
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council
- Regulation (EC) No 528/2012 of the European Parliament and of the Council

15.2. Chemical safety assessment

Chemical safety assessment was not carried out.

16 CHAPTER 6. OTHER INFORMATION

Hazard symbols and alphanumeric characters, indicated in section 3:

Flam. Liq.2	Flammable liquids, Cat. 2
Eye Irrit. 2	Severe eye damage, irritation**, category 2**
STOT SE 3	Specific target organ toxicity - single exposure, hazard category 3, respiratory irritation
Acute Tox. 4	Acute toxicity (if swallowed), hazard category 4
Skin Corr.1B	**Skin corrosion/irritation, 1B** hazard category
Eye Dam. 1	Severe eye damage/irritations, hazard category 1
Aquatic Acute 1	Hazardous to the aquatic environment - category 1 of acute hazard
Aquatic Chronic 1	Hazardous to the **aquatic environment-Chronic hazard, category 1**
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes severe eye damage.
H319	Causes strong eye irritation.
H336	Can cause sleepiness or dizziness.

H400	Very toxic for aquatic organisms
H410	Very toxic for aquatic organisms with long-lasting effects.