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

1.1 Product identifier: Trade name: **URINAL BLOCKS Fresh40 Floral**
CAS Number: Not applicable for the mixture.
Contains: Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl- and sodium hydroxide (ES 932-051-8) < 50 %
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (CAS 68955-19-1) < 10 %

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Toilette cleaning and deodorising. For professional use only.
Uses advised against: Not defined. For intended use only. Not for oral consumption.

1.3 Details of the supplier of the safety data sheet:
Manufacturer/supplier: **KALVEI, s. r. o.**
Address: Americká 22, 120 00 Praha 2, Czech Republic
Id. No.: 60720832 VAT No.: CZ60720832
Phone: +420 222 515 930 Fax: +420 222 513 735
Contact person: Petr Bylok
www.kalvei.cz, Petr.Bylok@kalvei.cz

Competent person responsible for the safety data sheet: Eva.Vankova@abitec.cz

1.4 Emergency telephone number: **800 424 9300 (spill/release)**

111 (non-stop) in England
National Poisons Information Service, England

+353 1 809 2166 (non-stop)
Poisons Information Centre of Ireland
Beaumont Hospital, PO Box 1297 Beaumont Road, Dublin
E-mail: npicdublin@beaumont.ie

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:
The mixture does meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. The mixture is classified as dangerous in accordance with Regulation (EC) No 1272/2008, as subsequently amended.

Hazard class and category:
Skin Irrit. 2, H315
Skin Sens. 1, H317
Eye Dam. 1, H318
Aquatic Chronic 3, H412

Hazard statements:
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

The most important adverse physical effects:
The mixture is not flammable. Thermal decomposition under high temperatures or burning may release a variety of dangerous burning products. Prevent from heating or burning.

The most important adverse human health effects:
The mixture, if in eyes, can cause strong irritation to eyes (redness, tearing, swelling, sore, worsen sight, conjunctivitis) to reversible damage. The mixture irritates skin (redness, itching, drying). The mixture contains some chemicals which may cause allergic skin reaction (redness, dermatitis). Sensitive people should avoid the contact with the mixture. Dust inhalation can cause cough or sneezing. Avoid long lasting inhalation exposure. Keep carefully the instructions for use.

The most important adverse environmental effects:
The mixture is classified as hazardous to aquatic life. Avoid from the uncontrolled leakage to drains and surface- and groundwater. Keep the users' instructions to protect aquatic environment and human´s

health.
Full text of the classification and hazard statements is given in the section 16.

2.2 Label elements
Signal word: Danger
Pictograms: GHS05, GHS07

Hazard statements:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:
P102 Keep out of reach of children.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash hands thoroughly after handling.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents in accordance with local/national regulation.

Dangerous components:
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl- and sodium hydroxide (ES 932-051-8) < 50 %
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (CAS 68955-19-1) < 10 %
Disodium carbonate, compound with hydrogen peroxide (2:3) <5 %
(*Z*)-2-methoxy-4-(prop-1-enyl) phenol (Isoeugenol) > 0,01 %

Supplemental information on the label:
Product identifier: **URINAL BLOCKS Fresh40 Floral** Toilette cleaning and deodorising
Restricted to professional users/for institutional use only.
EUH208 Contains Hexyl cinnamal; Citronellol; Methyl Ionone EQ; Geraniol; Linalool; Coumarin. May produce an allergic reaction.
Manufacturer/supplier: **KALVEI, s. r. o.,** Americká 22, 120 00 Praha 2, Czech Republic
Phone: +420 222 515 930 Fax: +420 222 513 735

2.3 Other hazards:
The mixture or any contained substance does not meet the criteria for PBT or vPvB components in accordace with Annex XIII, any compound is not enrolled in the candidate list for the Annex XIV of the Regulation (EC) No. 1907/2006, any was included in the list established in accordance with Article 59(1) for having endocrine disruptiong properties or identified as having endocrine disrupting properties in accordace with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: The product is not a substance.

3.2 Mixtures

Chemical substance	Content [%]	CAS No.	EC No.	Index No. REACH registration No.
Reaction product of benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl- and sodium hydroxide	20 – 25	--	932-051-8	--
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	5 – 10	68955-19-1	273-257-1	--
N-(2-hydroxyethyl)dodecanamide (Cocoamide MEA)	< 5	68140-00-1	268-770-2	-- 01-2119490101-51
Alcohols C16-18, ethoxylated	< 5	68439-49-6	500-212-8	-- --
Disodium carbonate, compound with hydrogen peroxide (2:3)	< 5	15630-89-4	239-707-6	-- 01-2119752870-35
2-Aminoethanol	> 0,5	141-43-5	205-483-3	603-030-00-8

				01-2119486455-28
α-Hexylcinnamaldehyde	< 0,2	101-86-0	202-983-3	-- --
Citronellol	< 0,2	106-22-9	203-375-0	-- --
3-Buten-2-on, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)- (Methyl Ionone EQ)	< 0,2	127-51-5	204-846-3	-- --
(2*E*)-3,7-dimethylocta-2,6-dien-1-ol (Geraniol)	< 0,1	106-24-1	203-377-1	603-241-00-5 --
3,7-dimethyl-1,6-octadien-3-ol (Linalool)	< 0,1	78-70-6	201-134-4	603-235-00-2 --
Coumarin	< 0,1	94-64-5	202-086-7	-- --
(*Z*)-2-methoxy-4-(prop-1-enyl) phenol (Isoeugenol)	> 0,01	97-54-1	202-590-7	604-094-00-X --

Classification of the components

Chemical name	**Hazard pictograms**	**Classification**	**Concentration limits**
Reaction product of benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl- and sodium hydroxide*	GHS05	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	Eye Dam. 1, H318: c ≥ 3 % Skin Irrit. 2, H315: c ≥ 10 % Aquatic Chronic 3, H412: c ≥ 25 %
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts*	GHS05	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	Eye Dam. 1, H318: c ≥ 20 % Eye Irrit. 2, H319: 10 % ≤ c < 20 % Skin Irrit. 2, H315: c ≥ 10 % Aquatic Chronic 3, H412: c ≥ 25 %
N-(2-hydroxyethyl)dodecanamide (Cocoamide MEA) *	GHS05, GHS09	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 2, H411	Eye Dam. 1, H318: c ≥ 3 % Skin Irrit. 2, H315: c ≥ 10 % Aquatic Chronic 2, H411: c ≥ 25 %
Alcohols C16-18, ethoxylated*	GHS05, GHS07, GHS09	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Acute 1, H400	Eye Dam. 1, H318: c ≥ 3 % Aquatic Acute 1, H400: c ≥ 25 %
Disodium carbonate, compound with hydrogen peroxide (2:3) *	GHS03, GHS05, GHS07	Ox. Liq.3, H272 Acute Tox. 4, H302 Eye Dam. 1, H318	Eye Dam. 1, H318: c ≥ 3 %
2-Aminoethanol	GHS05, GHS07	Acute Tox. 4. H302+H312+H332 Skin Corr. 1, H314 STOT SE 3, H335 Aquatic Chronic 3, H412	Skin Corr. 1, H314: c ≥ 5 % STOT SE 3, H335: c ≥ 5 % Aquatic Chronic 3, H412: c ≥ 25 %
α-Hexylcinnamaldehyde*	GHS07, GHS09	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	Skin Sens. 1, H317: ≥ 1 %
Citronellol*	GHS07	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 % Eye Irrit. 2, H319: c ≥ 10 %
3-Buten-2-on, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)- (Methyl Ionone EQ) *	GHS07, GHS09	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	Skin Sens. 1, H317: ≥ 1 %
(2*E*)-3,7-dimethylocta-2,6-dien-1-ol (Geraniol)	GHS05, GHS07	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318	Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 % Eye Irrit. 1, H318: c ≥ 3 %
3,7-dimethyl-1,6-octadien-3-ol (Linalool)	GHS07	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c ≥ 1 % Eye Irrit. 2, H319: c ≥ 10 %
Coumarin*	GHS07	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 3, H412	Skin Sens. 1, H317: c ≥ 1 % Aquatic Chronic 3, H412: c ≥ 25 %
(*Z*)-2-methoxy-4-(prop-1-enyl)	GHS07	Acute Tox. 4, H302+H312	Skin Irrit. 2, H315: c ≥ 10 % Skin Sens. 1, H317: c

phenol (Isoeugenol)		Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319	≥ 0,01 % Eye Irrit. 2, H319: c ≥ 10 %

* The compound is not classified in the List of harmonized classification. For the classification were used data from databases and SDSs.

Labelling according to the Regulation EC No 648/2004, on detergents	**Content**
Anionic surfactantcs	≥ 30 %
Non-ionic surfactants	5 – 15 %
Perfumes, bleach	< 5 %

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

In any health complication or in case of doubts, seek medical advice. Show this safety data sheet or the label to the doctor. In case of health problems, do basic life support. Keep unconscious person in recovery position, give nothing by mouth. Do not induce vomiting. In case of spontaneous vomiting avoid vomit aspiration.

Inhalation:

Stop the exposure, remove the affected person to fresh air and keep warm and at rest. If breathing difficulties occur or in case of long-lasting breathing problems seek medical advice. In case of long-lasting breathing problems seek medical advice.

Skin contact:

Remove contaminated clothing. Wash affected skin thoroughly by water and soap. If skin irritation or allergic reaction occurs, seek medical advice.

Eye contact:

Wash eyes and its surroundings. Remove contact lenses, if present and easy to do. Rinse wide open eyes with plenty of water, from inner canthus to the outer, mainly the space under eyelids. Flush the eyes for the time about 15 – 30 min. Seek medical advice.

Ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water. Seek medical advice. In case of spontaneous vomiting avoid vomit aspiration. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

The mixture, if in eyes, can cause strong irritation to eyes (redness, tearing, swelling, sore, worsen sight, conjunctivitis) to reversible damage. The mixture irritates skin (redness, itching, drying). The mixture contains some chemicals which may cause allergic skin reaction (redness, dermatitis). Sensitive people should avoid the contact with the mixture. Dust inhalation can cause cough or sneezing.

4.3 Indication of any immediate medical attention and special treatment needed

In case of usual usage and if following the instructions for use no health hazards occur, immediate medical treatment is not necessary. Treat symptomatically according to the section 4.1 and 4.2.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Foam, dry powder, CO_2, inert gas, water mist.

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition under high temperatures or burning may release harmful decomposition products. Do not breathe the decomposition products in.

5.3 Advice for firefighters:

Full protective clothing and self-contained breathing apparatus should be worn before a confined fire space is entered. Cool closed containers with the product with sprayed water. Prevent releasing the extinguish water to sewer system or water sources.

Other information: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, do not breathe vapours or potential dust in. Keep usual safety measures - avoid the contact with eyes and skin. In case of prolonged contact with skin, use protective gloves.

6.2 Environmental precautions
Stop the leakage, collect the mixture. Keep usual requirements to protect the environment. Prevent from the leakage to drains. Prevent from entering to surface- and groundwater. Avoid or minimise environmental contamination.

6.3 Methods and material for containment and cleaning up
The solid form can be scooped up mechanically, diluted form can be wiped or absorbed with sorbent (sand, soil, vermiculite, wood dust, universal absorbent etc.), place in closable dose from the material resistant from alkalis, label and remove according to section 13. Wash off the contaminated area with water and dispose as the waste.

6.4 Reference to other sections:
Personal protective equipment – section 8. Unused mixture treatment – section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:
Ensure good ventilation. Keep away from direct flames, open fire and heating. Do not use sparking materials. Avoid contact with skin and eyes, use personal protective equipment. Keep general hygiene measures for handling. Respect the instructions in the label. Do not eat, drink and smoke in working area. Wash hands with soap and water after use and before break or eating.

7.2 Conditions for safe storage, including any incompatibilities:
Keep in original container, at cool, dry and well ventilated place.
Keep out of the reach of children. Store apart from food, beverages and feed.
Keep the user's instruction.
Storage temperature: 5 – 25 °C
Quantity limits under storage conditions: not given

7.3 Specific end use(s): Not defined.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substance	Longterm [mg/m^3]	Short term [mg/m^3]
2-Aminoethanol (EU limit)	2,5	7,6

Biological limit values: Not determined
DNELs and PNECs:

DNEL:

Substance	Route of exposure	Effect	Exposure	Value
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	Inhalation	Systemic	Long term	285 mg/m^3
	Dermal	Systemic	Long term	4 060 mg/kg/day
Cocoamide MEA	Inhalation	Systemic	Long term	73,4 mg/m^3
	Dermal	Local	Long term	0,09 mg/cm^2
	Dermal	Systemic	Long term	4,16 mg/kg/day
Disodium carbonate, compound with hydrogen peroxide (2:3)	Inhalation	Local	Long term	5 mg/ m^3
	Dermal	Local	Long term	12,8 mg/cm^2
	Dermal	Local	Acute	12,8 mg/cm^2
2-aminoethanol	Inhalation	Systemic	Long term	1 mg/m^3
	Dermal	Systemic	Long term	3 mg/kg/day

PNEC:

Substance	Fresh water	Freshwater sediments	Marine water	Marine sediments	STP	Soil	Intermittent release
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	0,098 mg/l	3,45 mg/kg	0,0098 mg/l	0,345 mg/kg	6,8 mg/l	0,631 mg/kg	0,15 mg/l
Cocoamide MEA	0,007 mg/l	1,012 mg/kg	0,001 mg/l	0,101 mg/kg	830 mg/l	0,198 mg/kg	--
Disodium carbonate, compound with hydrogen peroxide (2:3)	--	--	35 µg/l (řasy)	--	16,24 mg/l	--	--

8.2 Exposure controls:
Ensure sufficient supply of fresh air. Avoid contact with eyes and skin. Keep general hygiene measures for handling with chemicals. Do not eat, drink and smoke in working area. Wash hands with soap and water after use and before break or eating. After skin contact wash thoroughly.
Adjust personal protective equipment to the character of the work.

- Eye/face protection:
  Safety goggles
- Skin protection:
  Protective clothing (cotton), footwear covering entire foot; Remove polluted clothing immediately, wash before the next use.
- Hand protection:
  Protective gloves (vinyl or latex). – Follow the producer´s recommendation. Material should be resistant to the substances of the mixture. Test before the first use. Change damaged gloves.
  Avoid prolonged or repeated skin contact.
- Respiratory protection:
  Not needed. In case of dust formation use respirator or any other respiratory protective mean.
- Thermal hazards:
  Not defined.

  Environmental exposure controls
  Keep usual requirements to protect the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Solid block – flower-shaped
Colour:	Green, red
Odour:	After pine, flower
Melting point/freezing point:	Cca 0 °C
Boiling point or initial boiling point and boiling range:	Not determined
Flammability (solid, gas):	The mixture is not flammable
Lower and upper explosion limit: Upper (% vol.):	The mixture is not explosive.
	Lower limit (% vol.): --
Flash point:	Not applied
Auto-ignition temperature:	The mixture is not flammable
Decomposition temperature:	Not determinated
pH:	9 – 11
Kinematic viscosity (kinematic 40 °C):	Not determined
Solubility:	In water – insoluble
	In fat – not determined
Partition coefficient *n*-octanol/water:	Not determined
Vapour pressure (at 20 °C):	Not determined/applicable
Density and/or relative density:	1,64 g/cm^3
Relative vapour density (at 20 °C):	Not determined
Particle characteristics:	No defined particles

9.2 Other information: None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:
If the user´s instructions are followed, there is no risk of dangerous reactions. The mixture is not flammable.

10.2 Chemical stability:
The mixture is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions:
Following recommended use directions there are no hazardous reactions.

10.4 Conditions to avoid:
Very high temperatures, open flames, direct sunshine, contact with incompatible materials.

10.5 Incompatible materials:
Avoid contact with usual household chemicals.

10.6 Hazardous decomposition products:
No decompositions under usual conditions. Thermal decomposition under high temperatures or burning may release harmful decomposition products. Do not breathe the decomposition products in.

Other information: None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Data for the mixture are not available. Avoid prolonged skin contact and rubbing the mixture into eyes.
Acute toxicity:
The mixture is not classified as acute toxic by any way of exposure.

Substance	Ecotoxicity test	Value	Test organism
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	LD_{50}, oral	2 000 – 5 000 mg/kg	rat
	LD_{50}, dermal	> 2 000 mg/kg	rabbit
Cocoamide MEA	LD_{50}, oral	> 2 000 mg/kg	rat
	LD_{50}, dermal	> 2 000 mg/kg	rabbit
	RD_{50}, inhalation, 4 h.	6,2 mg/l	mouse (gas and vapours)
Disodium carbonate, compound with hydrogen peroxide (2:3)	LD_{50}, oral	2 200 mg/kg	mouse (female)
	LD_{50}, oral	2 050 mg/kg	mouse (male)
	LD_{50}, dermal	1 034 mg/kg	rat
	LD_{50}, dermal	> 2 000 mg/kg	rabbit
2-aminoethanol	LD_{50}, oral	1 720 mg/kg	rat

Skin corrosion/irritation:
The mixture is classified as irritating to skin, category 2.

Serious eye damage/irritation:
The mixture is classified as damaging to eyes, category 1.

Respiratory or skin sensitisation:
The mixture is classified as sensitising to skin, category 1. May cause an allergic skin reaction.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
Based on available data, the classification criteria are not met.

Specific target organ toxicity – single exposure:
Based on available data, the classification criteria are not met.

Specific target organ toxicity – repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

11.2 Information on other hazards
The mixture, if in eyes, can cause strong irritation to eyes (redness, tearing, swelling, sore, worsen sight, conjunctivitis) to reversible damage. The mixture irritates skin (redness, itching, drying). The mixture contains some chemicals which may cause allergic skin reaction (redness, dermatitis). Sensitive people should avoid the contact with the mixture. Dust inhalation can cause cough or sneezing.

SECTION 12: ECOLOGICAL INFORMATION

No specific information has been established regarding the product.

12.1 Toxicity The mixture is classified as harmful to aquatic organisms with long lasting effects. Keep general protective measures to protect environment.

Acute toxicity of main substances:
Reaction product of benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and benzenesulfonic acid, 4-methyl- and sodium hydroxide

Substance	Test method	Value	Organism
Kyselina sírová, mono-C12-18-alkyl estery, sodné soli	Acute LC_{50}, 96 h.	1,3 mg/l	Fish
	Acute EC_{50}, 48 h.	2,8 mg/l	Invertebrates *(Daphnia magna)*
	Acute IC_{50}, 72 h.	3 mg/l	Algae
	Chronic LC_{50}, 96 h.	10 – 100 mg/l	Fish *(Cyprinus carpio)*
	Chronic EC_{50}, 48 h.	> 10 – 100 mg/l	Invertebrates *(Daphnia magna)*
	Chronic IC_{50}, 72 h.	> 10 – 100 mg/l	Algae *(Scenedesmus subsp.)*
Cocoamide MEA	Acute LC_{50}, 96 h.	> 3 mg/l	Fish
	Acute EC_{50}, 48 h.	3 mg/l	Invertebrates *(Daphnia magna)*
	Acute IC_{50}, 72 h.	3 mg/l	Algae
Peruhličitan sodný	Acute í LC_{50}, 96 h	70,7 mg/l	Fish *(Pimephales promelas)*
	Acute EC_{50}, 48 h.	4,9 mg/l	Invertebrates *(Daphnia pulex)*
2-aminoethan-1-ol	Acute LC_{50}, 48 h.	> 100 mg/l	Invertebrates *(Crangon crangon)*
	Acute EC_{50}, 72 h.	8,42 mg/l	Algae *(Desmodesmus subsp.)*
	Chronic NOEC, 21 days	0,07 mg/l	Invertebrates *(Daphnia magna)*

12.2 Persistence and degradability — Not determined for the mixture. The surfactants used comply with the biodegradability criteria of Annex II of Regulation 648/2004, as amended.

12.3 Bioaccumulative potential — Not determined

12.4 Mobility in soil — The mixture is soluble in water.

12.5 Results of PBT and vPvB assessment — The mixture does not contain PBT and vPvB compounds.

12.6 Endocrine disrupting properties — The mixture contains no substances identified as having endocrine disrupting properties.

12.7 Other adverse effects — Avoid entering large amount of the mixture to the drains, soil and surface water or groundwater.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Do not mix with municipal waste. Dispose as hazardous waste. Do not drain concentrated mixture. Very small amount after diluting can be rinse off to the drain. All disposal practices must be in compliance with local laws and regulations. Regulations may vary in different locations.

Contaminated package:
Empty package should be disposed according to local laws as hazardous waste. Not contaminated container is given to recycling.

SECTION 14: TRANSPORT INFORMATION

Basic information for transport:
Transport in appropriate containers. Comply with the prescribed labelling.

The transport of the mixture is not regulated after ADR, RID, ICAI/IATA, IMDG.

14.1 UN number or ID number Not determined
14.2 UN proper shipping name Not determined
14.3 Transport hazard class(es) Not determined
14.4 Packing group Not determined
14.5 Environmental hazards Not determined
14.6 Special precautions for user Not determined
14.7 Maritime transport in bulk according to IMO instruments Not determined.

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC

and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (CLP), as subsequently amended.

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and amendments.

Notice:
Regulations listed above are only basic directives in this safety data sheet. Other additional regulations, which can add these above, may exist. We do refer to state, local and international laws and directions which may differ according to the country.

15.2 Chemical safety assessment
Chemical safety assessment has not been carried out for this mixture.

SECTION 16: OTHER INFORMATION

Hazard statements used in this safety data sheet:
H272 May intensify fire; oxidiser.
H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations used in this safety data sheet:
Ox. Liq. 3 – Oxidising Liquids, category 3
Acute Tox. 4 – Acute toxicity, category 4
Skin Irrit. 2 – Skin corrosion/irritation, category 2
Skin Sens. 1 – Respiratory/skin sensitisation, category 1
Eye Dam. 1/Irrit. 2 – Serious eye damage/irritation, category 1, 2
STOT SE 3 – Specific target organ toxicity – single exposure, category 3
STOT RE 2 – Specific target organ toxicity – repeated exposure, category 2
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2, 3 – Long-term aquatic hazard, category 2, 3
PBT – persistent, bioaccumulative and toxic
vPvB – very persistent and very bioaccumulative
EC_{50} – Effective concentration, 50 percent
LC_{50} – Lethal concentration, 50 percent
ADR – Agreement on Dangerous Goods by Road – Europe
IATA – International Air Transport Association
ICAO – International Civil Aviation Organization
IMDG – International Maritime Cod efor Dangerous Goods
RID – Regulations Concerning the International Transport of Dangerous Goods by Rail

The mixture should be used only for the purpose defined in 1.2. Specific end uses are out of the supplier control, the user is responsible to fit the information from this safety data sheet to local directives and regulations. Safety data sheet describes the product from the point of safety. This information is not the technical information about the product.

Instructions for training and other measures:
Provide adequate information, instruction and training for operators.

Sources of information: Supplier´s data and toxicological databases.

Revision changes: Changes of the mixture composition. Adjustment to Commission Regulation (EU) 2020/878.

Declaration:
This safety data sheet contains information believed to be correct. It should be used only as a guide. It does not represent any guarantee of the properties of the product. Our company and its affiliates shall not be liable for any damage resulting from handling or from contact with the above product. User is responsible for handling according to existing laws and regulations**.**

This safety data sheet meets the requirements the actual standards OSHA Hazard Communication Standard (HCS) and European legal regulations. The mixture is classified according to the criteria given in the Annex I of the Regulation (EC) No. 1272/2008.