PeliKine Human IL-6 ELISA Rapid Set B (M2019)

Kit cover sheet

Date of compilation: 20.10.2026

Composition/information on ingredients

Hazardous components (including safety data sheet)

Components	Classification acc. to GHS	Pictograms	Page
Stop solution	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319		2 – 15

Non hazardous components (no safety data sheet attached)

Components
Uncoated plates
IL-6.16 pre-coated plates
Washing buffer
TMB substrate solution

Safety Data Sheet

acc. to SS 586 - 3

Stop solution

Version number: 2.0
Replaces version of: 03.06.2021 (1)

Revision: 20.10.2026

Section 1 – Identification

1.1 Product identifier

Trade name: **Stop solution**

Article number: M198005

1.2 Recommended use of the chemical and restrictions on use

Relevant identified uses: For laboratory professional use only.

1.3 Manufacturer or supplier details

Essange Reagents
Plesmanlaan 125
1066 CX Amsterdam
Netherlands

Telephone: +31 20 4570707
e-mail: info@essange-reagents.nl
Website: www.essange-reagents.com

e-mail (competent person): safety@essange-reagents.nl

1.4 Emergency phone number

Emergency information service: +31 20 4570707
This number is only available during the following office hours: Mon-Fri 09:00 - 17:00, (CET)

Section 2 – Hazard identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard state-ment
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of H-phrases: see SECTION 16

2.2 GHS label elements, including precautionary statements

Labelling

- signal word: Warning

- pictograms

GHS07

- hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

- precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P321	Specific treatment (see on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

2.3 Other hazards which do not result in classification

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

Section 3 – Composition/Information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
sulphuric acid ... %	CAS No 7664-93-9	1 – < 2,5	Skin Corr. 1B / H314 Eye Dam. 1 / H318	

Remarks

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.

Section 4 – First-aid measures

4.1 Description of necessary first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Wash with plenty of soap and water. Call a POISON CENTER/doctor.

Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

Causes tears. Redness.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

For specialist advice physicians should contact the poison centre.

Section 5 – Fire-fighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media

Water spray; Foam; Dry extinguishing powder; Carbon dioxide (CO2);
Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Specific hazards arising from the chemical

Hazardous combustion products

During fire hazardous fumes/smoke could be produced.

5.3 Special protective actions for fire fighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (SCBA). Standard protective clothing for firefighters.

Section 6 – Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Follow emergency procedures such as the need to evacuate the danger area or to consult an expert. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and materials for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Sawdust, Kieselgur (diatomite), Sand, Universal binder

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

Section 7 – Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

- handling of incompatible substances or mixtures

- keep away from

Caustic solutions

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment be-

fore entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight. Frost.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 1.2.

Section 8 – Exposure controls / Personal protection

8.1 Control parameters / Occupational exposure limits

National limit values

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sulphuric acid ... %	7664-93-9	DNEL	0,05 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
sulphuric acid ... %	7664-93-9	DNEL	0,1 mg/m³	human, inhalatory	worker (industry)	acute - local effects

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
sulphuric acid ... %	7664-93-9	PNEC	0,003 mg/l	aquatic organisms	freshwater	short-term (single instance)
sulphuric acid ... %	7664-93-9	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
sulphuric acid ... %	7664-93-9	PNEC	8,8 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
sulphuric acid ... %	7664-93-9	PNEC	0,002 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
sulphuric acid ... %	7664-93-9	PNEC	0,002 mg/kg	aquatic organisms	marine sediment	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection

Skin protection

- hand protection

Wear suitable gloves. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Wash hands thoroughly after handling.

- type of material

PVC: polyvinyl chloride, CR: chloroprene (chlorobutadiene) rubber, Nitrile rubber

- material thickness

Use gloves with a minimum material thickness: ≥ 0.38 mm.

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Protective clothing.
Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

Section 9 – Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	colourless

Particle	not relevant (liquid)

Odour	characteristic

Other safety parameters

pH (value)	1,2 (acid)
Melting point/freezing point	-33,67 °C calculated value, referring to a component of the mixture
Initial boiling point and boiling range	100 °C
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)

Explosive limits	LEL: UEL: not determined
Vapour pressure	2,3 kPa at 20 °C calculated value, referring to a component of the mixture
Density	1,01 $^{g}/_{cm^3}$ at 20 °C
Vapour density	1 (water = 1)
Relative density	information on this property is not available
Solubility	not determined

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not relevant
Decomposition temperature	no data available

Viscosity not determined

- kinematic viscosity	not determined
Explosive properties	none
Oxidising properties	none

9.2 Other information

There is no additional information.

Section 10 – Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Bases. Oxidisers.

Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

Section 11 – Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic. Based on available data, the classification criteria are not met.

Acute toxicity of components

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
sulphuric acid ... %	7664-93-9	oral	LD50	2.140 $^{mg}/_{kg}$	rat

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser. Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic. Based on available data, the classification criteria are not met.

Carcinogenicity

Shall not be classified as carcinogenic. Based on available data, the classification criteria are not met.

Reproductive toxicity

Shall not be classified as a reproductive toxicant. Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure). Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure). Based on available data, the classification criteria are not met.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard. Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

Section 12 – Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sulphuric acid ... %	7664-93-9	EC50	>100 $^{mg}/_{l}$	daphnia magna	48 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

12.7 Other adverse effects

Data are not available.

Section 13 – Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

Section 14 – Transport information

14.1	**UN number**	not subject to transport regulations
14.2	**UN proper shipping name**	not relevant
14.3	**Transport hazard class**	none
14.4	**Packing group, if applicable**	not assigned
14.5	**Environmental hazards**	non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for users

There is no additional information.

14.7 Transport in bulk according to IMO instruments

No data available.

Additional information for each of the UN Model Regulations

Inland transport of dangerous goods

Not subject to ADR.

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

Section 15 – Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

There is no additional information.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Section 16 – Other information

Revision

Date of compilation: 20.10.2026. Version number: 2.0.

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.2	Relevant identified uses: For research use only	Relevant identified uses: For laboratory professional use only.
1.2	Uses advised against: Not suitable for in vitro diagnostic use.	
1.3	Details of the supplier of the safety data sheet: Sanquin Plesmanlaan 125 1066 CX Amsterdam Netherlands Telephone: +31 20 512 3599 e-mail: reagents@sanquin.nl Website: www.sanquin.org/reagents	Manufacturer or supplier details: Essange Reagents Plesmanlaan 125 1066 CX Amsterdam Netherlands Telephone: +31 20 4570707 e-mail: info@essange-reagents.nl Website: www.essange-reagents.com
1.3	e-mail (competent person): CSVAM@sanquin.nl	e-mail (competent person): safety@essange-reagents.nl
1.4	Emergency information service: +31 20 512 3599 This number is only available during the following office hours: Mon-Fri 09:00 - 17:00, (CET)	Emergency information service: +31 20 4570707 This number is only available during the following office hours: Mon-Fri 09:00 - 17:00, (CET)
2.1	Classification acc. to GHS: This mixture does not meet the criteria for classification.	Classification acc. to GHS
2.1		Classification acc. to GHS: change in the listing (table)
2.2	Labelling: Not required.	Labelling
2.2		- signal word: Warning
2.2		- pictograms
2.2		- pictograms: change in the listing (table)
2.2		- hazard statements: change in the listing (table)
2.2		- precautionary statements: change in the listing (table)
2.3	Other hazards: Of no significance.	Other hazards which do not result in classification
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.
3.2	Mixtures: The product does not contain any ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.	Mixtures: The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.
3.2		Mixtures: change in the listing (table)
3.2		Remarks: All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.
4.1	Following skin contact: Wash with plenty of soap and water. If skin irritation or	Following skin contact: Wash with plenty of soap and water. Call a POISON

Section	Former entry (text/value)	Actual entry (text/value)
	rash occurs: Get medical advice/attention.	CENTER/doctor.
4.1	Following eye contact: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	Following eye contact: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor.
4.1	Following ingestion: Rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor if you feel unwell.	Following ingestion: Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.
4.2	Most important symptoms and effects, both acute and delayed: Symptoms and effects are not known to date.	Most important symptoms/effects, acute and delayed: Causes tears. Redness.
4.3	Indication of any immediate medical attention and special treatment needed: None.	Indication of immediate medical attention and special treatment needed, if necessary: For specialist advice physicians should contact the poison centre.
5.1	Suitable extinguishing media: Dry extinguishing powder; Carbon dioxide (CO2); Co-ordinate firefighting measures to the fire surroundings	Suitable extinguishing media: Water spray; Foam; Dry extinguishing powder; Carbon dioxide (CO2); Co-ordinate firefighting measures to the fire surroundings.
6.1	For non-emergency personnel: Remove persons to safety. Ventilate affected area.	For non-emergency personnel: Follow emergency procedures such as the need to evacuate the danger area or to consult an expert. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Remove persons to safety. Ventilate affected area.
6.3	Advice on how to clean up a spill: Wipe up with absorbent material (e.g. cloth, fleece).	Advice on how to clean up a spill: Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Sawdust, Kieselgur (diatomite), Sand, Universal binder
6.3	Appropriate containment techniques: Use of adsorbent materials.	
7.2		- packaging compatibilities: Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.
7.3	Specific end use(s): There is no additional information.	Specific end use(s): See section 1.2.
8.1	National limit values: No information available. Countries not listed may have their own country specific values.	National limit values: No information available.
8.2	Appropriate engineering controls: General ventilation.	Appropriate engineering controls: General ventilation. Provide eyewash stations and safety showers at the workplace.
8.2	Eye/face protection: eye protection must be worn Use safety goggle with side protection	Eye/face protection: eye protection must be worn Use safety goggle with side protection
8.2	Skin protection: Chemical protective clothing.	Skin protection
8.2	Hand protection: safety gloves must be worn Wear suitable gloves. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The selection of the suitable gloves does	Hand protection: safety gloves must be worn Wear suitable gloves. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The selection of the suitable gloves does

Section	Former entry (text/value)	Actual entry (text/value)
	not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Wash hands thoroughly after handling.
8.2	Breakthrough times of the glove material: Use gloves with a minimum breakthrough times of the glove material: >480 minutes (permeation: level 6).	Breakthrough time of the glove material: Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).
8.2	- other protection measures: Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. Provide eyewash stations and safety showers at the workplace.	Other protection measures: wear protective clothing Protective clothing. Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.
9.1	Melting point/freezing point: not determined	Melting point/freezing point: -33,67 °C calculated value, referring to a component of the mixture
9.1	Initial boiling point and boiling range: 100 °C calculated value, referring to a component of the mixture	Initial boiling point and boiling range: 100 °C
9.1	Evaporation rate	Evaporation rate: not determined
9.1	Explosive limits: LEL: UEL: not relevant	Explosive limits: LEL: UEL: not determined
9.1	Vapour pressure: not determined	Vapour pressure: 2,3 kPa at 20 °C calculated value, referring to a component of the mixture
9.1	Vapour density: this information is not available	Vapour density: 1 (water = 1)
9.1	Relative density: 1 (water = 1)	Relative density: information on this property is not available
9.1		Kinematic viscosity: not determined
10.5	Incompatible materials: Oxidisers.	Incompatible materials: Bases. Oxidisers.
11.1	Classification acc. to GHS: This mixture does not meet the criteria for classification.	Classification acc. to GHS
11.1	Acute toxicity: Shall not be classified as acutely toxic.	Acute toxicity: Shall not be classified as acutely toxic. Based on available data, the classification criteria are not met.
11.1	Acute toxicity of components of the mixture	
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)
11.1	Skin corrosion/irritation: Shall not be classified as corrosive/irritant to skin.	Skin corrosion/irritation: Causes skin irritation.
11.1	Serious eye damage/eye irritation: Shall not be classified as seriously damaging to the eye or eye irritant.	Serious eye damage/eye irritation: Causes serious eye irritation.
11.1	Respiratory or skin sensitisation: Shall not be classified as a respiratory or skin sensitiser.	Respiratory or skin sensitisation: Shall not be classified as a respiratory or skin sensitiser. Based on available data, the classification criteria are not met.
11.1	Germ cell mutagenicity: Shall not be classified as germ cell mutagenic.	Germ cell mutagenicity: Shall not be classified as germ cell mutagenic. Based on

Section	Former entry (text/value)	Actual entry (text/value)
		available data, the classification criteria are not met.
11.1	Carcinogenicity: Shall not be classified as carcinogenic.	Carcinogenicity: Shall not be classified as carcinogenic. Based on available data, the classification criteria are not met.
11.1	Reproductive toxicity: Shall not be classified as a reproductive toxicant.	Reproductive toxicity: Shall not be classified as a reproductive toxicant. Based on available data, the classification criteria are not met.
11.1	Specific target organ toxicity - single exposure: Shall not be classified as a specific target organ toxicant (single exposure).	Specific target organ toxicity - single exposure: Shall not be classified as a specific target organ toxicant (single exposure). Based on available data, the classification criteria are not met.
11.1	Specific target organ toxicity - repeated exposure: Shall not be classified as a specific target organ toxicant (repeated exposure).	Specific target organ toxicity - repeated exposure: Shall not be classified as a specific target organ toxicant (repeated exposure). Based on available data, the classification criteria are not met.
11.1	Aspiration hazard: Shall not be classified as presenting an aspiration hazard.	Aspiration hazard: Shall not be classified as presenting an aspiration hazard. Based on available data, the classification criteria are not met.
11.2		Information on other hazards
11.2		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)
12.5	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.
12.6	Endocrine disrupting properties: None of the ingredients are listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.
16	Revision: Date of compilation: 03.06.2021. Version number: 1.0. Date format: (YYYY-MM-DD).	Revision: Date of compilation: 20.10.2026. Version number: 2.0.
16		Abbreviations and acronyms: change in the listing (table)
16	Key literature references and sources for data: Singapore Standard SS 586 - 2: Specification for hazard communication for hazardous chemicals and dangerous goods - Globally harmonised system of classification and labelling of chemicals - Singapore's adaptations.UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	Key literature references and sources for data: Singapore Standard SS 586 - 2: Specification for hazard communication for hazardous chemicals and dangerous goods - Globally harmonised system of classification and labelling of chemicals - Singapore's adaptations.UN Recommendations on the Transport of Dangerous Good. Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).
16		List of relevant phrases (code and full text as stated in section 2 and 3): change in the listing (table)

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ED	Endocrine disruptor
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LEL	Lower explosion limit (LEL)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
UEL	Upper explosion limit (UEL)
UN	United Nations
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Singapore Standard SS 586 - 2: Specification for hazard communication for hazardous chemicals and dangerous goods - Globally harmonised system of classification and labelling of chemicals - Singapore's adaptations.

UN Recommendations on the Transport of Dangerous Good. Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.

Code	Text
H319	Causes serious eye irritation.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.