SAFETY DATA SHEET

Droplet break solution

Item number(s): REBREDESE0195

REBREDESE1250

According to (EC) No. 1907/2006

Day of issue: 20-08-2024

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

1.1. Product identifier:

Droplet break solution (REBREDESE0195 & REBREDESE1250)

UFI: RKT7-DXP4-510N-DY6W

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

Liquid for research and analysis. Restricted to professional users.

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

Samplix ApS Phone: (+45) - 28 30 95 07

Bregnerødvej 96,

DK-3460 Birkerød, Denmark

Responsible person for the safety data sheet (e-mail): support@samplix.com

1.4. Emergency telephone number:

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

Giftlinjen (Denmark): +45 – 82 12 12 12

National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

CLP (1272/2008): CLP (1272/2008): Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335

2.2. Label elements:

WARNING

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

P261: Avoid breathing dust.

P264: Wash skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/eye protection.

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 present and easy to do. Continue rinsing.

SECTION 2: HAZARDS IDENTIFICATION (cont.)

2.3 Other hazards: None known.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in Regulation 2023/707.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures:

Water, stabilizer, solvent, catalyst, non-ionic surfactant and the following declarable substance:

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH Reg.no.	Classification
>97	1H,1H,2H,2H-Perfluoro-1-octanol	674-42-7	211-477-1	None	None	Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335

Wording of hazard statements - see section 16.

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures:

Inhalation: Move the affected person to fresh air. Keep at rest. If needed: Get medical attention.

Skin contact: Remove contaminated clothing and wash skin with water and mild soap. If irritation persists: Seek medical advice.

Eye contact: Immediately flush with water or physiological salt water for at least 5 minutes, holding eyelids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. In case of discomfort: Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed:

Causes irritation of eyes, skin, lungs and gastrointestinal tract.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

Use water spray (never water jet), dry chemical, foam or carbon dioxide.

5.2. Special hazards arising from the substance or mixture:

Do not inhale smoke fumes. In case of fire, the product may form hazardous decomposition products such as hydrogen fluoride and oxides of carbon.

5.3. Advice for firefighters:

Use breathing apparatus with an independent source of air.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8.

6.2. Environmental precautions:

Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Absorb spilled liquid with inert material and place in a suitable container for disposal. Clean with water. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See references above.

SECTION 7: HANDLING AND STORAGE

7.1. Precaution for safe handling:

Provide adequation ventilation. Avoid contact with skin, eyes and clothing. Wash with plenty of water and soap after end use.

7.2. Conditions for sage storage, including any incompatibilities:

Store in a tightly closed original container in a well-ventilated area.

7.3. Specific end use(s):

See section 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limits (EH40/ed.2020): None

DNEL/PNEC: No CSR. Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation.

Personal protective equipment:

Inhalation:	Normally not necessary. In case of aerosol formation: Use an approved mask with type P2 particle filter (EN 149). The filter has a limited lifetime and must be changed. Read the manufacturer's instructions.
Skin:	Wear protective gloves of e.g. nitrile or butyl (Thickness: >0.3 mm) (EN374). It has not been possible to find data for breakthrough time. In case of spill on the glove it is recommended to change it.
Eyes:	Wear tight fitting safety goggles (EN ISO 16321-1) when there is a risk of splashes.

Environmental exposure controls: None particular.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Pale Yellow
Odour:	Odourless
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	88 - 95°C at 37 HPa
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol-%):	Not relevant
Flash point (°C):	91
Auto-ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	~ 1.651
Relative vapour density:	Not determined
Particle characteristics:	Not determined
9.2. Other information:	None relevant.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:
No available data.

10.2. Chemical stability:
Stable under the recommended storage conditions - see section 7.

10.3. Possibility of hazardous reactions:
None known.

10.4. Conditions to avoid:

Excessive heating and direct sunlight.

10.5. Incompatible materials:
Strong oxidizers.

10.6. Hazardous decomposition products:
When heated to high temperatures (decomposition) toxic gasses are formed such as hydrogen fluoride and oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:
Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Skin Irrit. 2;H315 Causes skin irritation.

Serious eye damage/irritation: Eye Irrit. 2; H319 Causes serious eye irritation.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

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.

STOT-single exposure: STOT SE 3;H335 May cause respiratory irritation.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

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

Information on likely routes of exposure: inhalation, skin and ingestion.

Symptoms:

Inhalation:	Vapors and aerosols can cause irritation to the airways.
Skin:	Irritates the skin.
Eyes:	Irritates the eyes with redness and pain.
Ingestion:	May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
Chronic effects:	None known.

11.2. Information on other hazards:
None known

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:
No available/applicable data.

12.2. Persistence and degradability:
Not expected to be easily biodegradable.

12.3. Bioaccumulative potential:
No available/applicable data.

12.4. Mobility in soil:
No available/applicable data

SECTION 12: ECOLOGICAL INFORMATION (cont.)

12.5. Results of PBT and vPvB assessment:
No ingredients are PBT/vPvB, according to the criteria in Regulation 2023/707.

12.6. Endocrine disrupting properties:
None known.

12.7. Other adverse effects:
None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:
The mixture is to be considered as non-hazardous waste. Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-code: 16 05 09 (mixture itself);
15 02 03 (paper towel, inert material etc. contaminated with the mixture).

SECTION 14: TRANSPORT INFORMATION

Not dangerous goods (ADR/RID/IMDG/IATA).

14.1. UN number or ID number: None.
14.2. UN proper shipping name: None.
14.3. Transport hazard class(es): None.
14.4. Packing group: None.
14.5. Environmental hazards: No.
14.6. Special precautions for user: None.
14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:
None
Chemical safety assessment:
No CSR.

SECTION 16: OTHER INFORMATION

Hazard statements mentioned in section 2 and 3:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC_{50} = Effect Concentration 50%

FW = Fresh Water

LC_{50} = Lethal Concentration 50%

LD_{50} = Lethal Dose 50%

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

SECTION 16: OTHER INFORMATION (cont.)

Literature:

ECHA = European Chemicals Agency

EPA Ecotox = The US Environmental Protection Agency's database on ecotoxicological effects for chemicals.

IUCLID = International Uniform ChemicaL Information Database.

RTECS = Register of Toxic Effects of Chemical Substances

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Other information:

Prepared based on the information available to Altox A/S at the revision date.

Changes since the previous edition:

Not relevant – first edition (format according to 2020/878)

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