



Xdrop[®] Surf

Item number(s): RESURF1000A

According to (EC) No. 1907/2006 (and 2020/878)

Day of issue: 12-02-2025

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

1.1. Product identifier:

Xdrop[®] Surf

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;

Gifftlinjen (Denmark): +45 - 82 12 12 12

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

CLP (1272/2008): No classification.

2.2. Label elements:

EUH210: Safety data sheet available on request.

2.3. Other hazards:

PBT/vPvB: 3-ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)-hexane is under consideration as PBT/vPvB.

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:

Contains non-classified polyhexafluoropropylene oxide-block-polypropylene glycol-block-polyethylene glycol-block-polypropylene glycol-block-polyhexafluoropropylene oxide.

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH Reg.no.	Classification
>25	3-ethoxy 1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)-hexane	297730-93-9	435-790-1	603-224-00-2	01-0000018188-64	Aquatic Chronic 4;H413

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:

May cause slight 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:

Not flammable.

5.2. Special hazards arising from the substance or mixture:

Not relevant (the product is not combustible).

5.3. Advice for firefighters:

Do not inhale smoke fumes. When extinguishing surrounding fires 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:

Wipe up spilled liquid erial 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:	Exposure	Value	Population	Effects
CAS: 297730-93-9	Long term - inhalation	1135 mg/m ³	Workers	Systemic
	Long term - skin	3.3 mg/kg/d	Workers	Systemic
	Long term - inhalation	282 mg/m ³	Consumer	Systemic
	Long term - skin	1.7 mg/kg/d	Consumer	Systemic
	Long term - ingestion	1.7 mg/kg/d	Consumer	Systemic

PNEC:	Medium	Value
CAS: 297730-93-9	Fresh water	0.008 mg/l
	Sea water	0.001 mg/l
	Sewage treatment plant (STP)	1 mg/l
	Fresh water sediment	0.006 mg/kg
	Sea water sediment	0.001 mg/kg
	Soil	0.01 mg/kg

8.2. Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation.

Personal protective equipment:

Inhalation: Normally not necessary.

Skin: Wear protective gloves (>0,3 mm) of e.g. nitrile or butyl (EN374).
Breakthrough time, approx. 3 hours.

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:	Colourless/yellowish
Odour:	Characteristic
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	Not determined
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol-%):	Not relevant
Flash point (°C):	> 100 (COC)
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	Not relevant
pH:	Not determined
Kinematic viscosity:	Not relevant
Solubility:	Not determined
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure (Pa, 20°C):	Not determined
Density and/or relative density:	> 1
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:

Non known.

10.5. Incompatible materials:

Strong alkalines.

10.6. Hazardous decomposition products:

When heated to high temperatures (decomposition) toxic gases are formed such as oxides of carbon and hydrogen fluoride.

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:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
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:	Based on available data, the classification criteria are not met.
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.

The mixture contains no hazardous substances in significant quantities.

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

Symptoms:

Inhalation:	Vapors may cause irritation to the airways.
Skin:	May cause irritation by prolonged contact with skin.
Eyes:	May cause eye irritation.
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:

Aquatic	Data	Test (Media)	Data source
Fish	LC ₅₀ (<i>Oryzias latipus</i> , 96h): >10 mg/l (CAS: 297730-93-9)	JIS K 0102-1998-71	ECHA
	LC ₅₀ (<i>Pimephales promelas</i> , 96h): 4149 mg/l (PFBA photolysis product)	OECD 203 (FW)	ECHA
Daphnia	EC ₅₀ (<i>Daphnia magna</i> , 48h) = 3475 mg/l (CAS: 297730-93-9)	No information (FW)	ECHA
	EC ₅₀ (<i>Hyalella azteca</i> , 48h) = 971 mg/l (PFBA photolysis product)	OECD 202 (FW)	ECHA
Algae	EC ₅₀ (<i>Chlorella vulgaris</i> , 72h): > 987 mg/l (PFBA photolysis product)	OECD 201 (FW)	ECHA

12.2. Persistence and degradability:

CAS: 297730-93-9 is not rapidly biodegradable (OECD 301D, 28 d., 1% degradation).

12.3. Bioaccumulative potential:

CAS: 297730-93-9: logK_{ow} = 6 – high bioaccumulative potential.

12.4. Mobility in soil:

CAS: 297730-93-9: Is expected to adsorb to soil particles and have relatively low mobility in soil.

12.5. Results of PBT and vPvB assessment:

3-ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)-hexane (CAS:297730-93-9) is under assessment as PBT/vPvB.

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 08 (mixture itself);
15 02 02 (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

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

None

15.2. Chemical safety assessment:

No CSR.

SECTION 16: OTHER INFORMATION

Hazard statements mentioned in section 2 and 3:

H413: May cause long lasting harmful effects to aquatic life.

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50%

FW = Fresh Water

LC₅₀ = Lethal Concentration 50%

LD₅₀ = Lethal Dose 50%

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

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

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