

SAFETY DATA SHEET

Safety Data Sheet according to (EC) No. 1907/2006.

SECTION 1: Identification of the substance/mixture and of the company/ undertaking**1.1. Product identifier:**

Storage Buffer

Product numbers: Product numbers range: 1000-00 — 1133-99; 5001-01 — 5006-99; Custom-1

UFI: Not relevant

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

Aqueous preparation for research and analysis. Restricted to professional users.

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

immunAware

Agern Alle 1

Phone:(+45) - 9356 5551

DK-2970 Hørsholm

Web: immunaware.com

Denmark

Responsible person for the safety data sheet (e-mail): to@immunAware.com**1.4. Emergency telephone number:**

Austria +43 1 406 43 43

Belgium +32 70 245 245

Bulgaria +359 2 9154 233

Croatia +3851 2348 342.

Cyprus 1401

Czech Republic +420 224 919 293 / +420 224 915 402

Denmark +45 8212 1212

Estonia 112 or 16662

Finland 0800 147 111 or 09 471 977

France: Angers 02 41 48 21 21 Bordeaux 05 56 96 40 80 Lille 0800 59 59 59 Lyon 04 72 11 69 11 Marseille 04 91 75 25 25

Nancy 03 83 22 50 50 Paris 01 40 05 48 48 Strasbourg 03 88 37 37 37 Toulouse 05 61 77 74 47

Germany 112/ +49 30192 40/ Erfurt: +49 361730730

Greece +30 21 07 79 37 77

Hungary +36 80 20 11 99

Iceland 112/ +354 543 22 22

Ireland +353 1 837 9964 (medical professionals) +353 1 809 2166 (public)

Italy: Foggia 71122 800183459 Napoli 80131 081-5453333 Roma 161 06-49978000 or 168 06-3054343 or 400165 06

68593726 Firenze 50134 0557947819 Pavia 27100 0382-24444 Milano 20612 02-66101029 Bergamo 24127 800883300

Latvia 112 or +371 67042473

Liechtenstein 112

Lithuania 8-5 2362052

Luxembourg (+352) 8002 5500

The Netherlands +31(0)30 274 8888

Norway +47 - 22 59 13 00

Poland: Krakow +48 (12) 411 99 99 Lodz +48 42 63 14 724 Sosnowiec +48 32 266 11 45 Warszawa +48 22 619 66 54

Wroclaw +48 71 343 30 08 Gdansk +48 (58) 682 04 04

Portugal +351 800 250 250

Romania +402 212 106 282

Russia: Ekaterinburg +7 343 229 9857 Moscow +7 495 628 1687 Saint-Petersburg +7 921 757 3228

Slovakia +421 2 5477 4166

Slovenia 112 or +386 41 635 500

Spain +34 91 562 04 20

Sweden 112 (national callers) +46 (0)10 456 6700

Switzerland +41 44 251 51 51 (in Switzerland dial 145)

Turkey +90 0312 433 70 01 or 0 800 314 7900

United Kingdom Non-emergency 111 number for specific information on poisons, or 999 in an emergency. (844 892 0111)

Other countries See https://www.who.int/gho/phe/chemical_safety/poisons_centres/en/**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture:**

CLP (1272/2008): None

2.2. Label elements:

None

2.3. Other hazards: None known.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2017/2100 or Regulation 2018/605.

SECTION 3: Composition/information on ingredients**3.2. Mixtures:**

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.no.	Classification
≤30	Glycerol*	56-81-5	200-285-5	None	None	Not classified
<1	TRISmaleate salt	72200-76-1	276-455-6	None	None	Not classified

*The substance has an occupational exposure limit.

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:

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. Precautions for safe handling:**

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

7.2. Conditions for safe 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:

Substance	TWA (8h)	STEL (15 min.)	Comments
Glycerol, mist	10 mg/m ³	-	-

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation.

Personal protective equipment:

Inhalation: Normally not necessary.

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

Eyes: Wear tight fitting safety goggles (EN166) 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
Odour:	No odour
Melting point/freezing point (°C):	~ 0
Boiling point or initial boiling point and boiling range (°C):	~ 100
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:	Neutral
Kinematic viscosity:	Not relevant
Solubility:	Soluble in water
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	~ 1.0
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:

None particular.

10.6. Hazardous decomposition products:

When heated to high temperatures (decomposition) toxic gasses are formed such as oxides of nitrogen and 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: 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: Vapours 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:

The substances above the declaration limit are only slightly toxic to aquatic organisms (LC₅₀ > 100 mg/l).

12.2. Persistence and degradability:

No available or applicable data.

12.3. Bioaccumulative potential:

No available or applicable data.

12.4. Mobility in soil:

No available/applicable data

12.5. Results of PBT and vPvB assessment:

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

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

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:

None.

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.

Changes since the previous edition:

Update to 2020/878 – section 1,2,3,5,8,9,10,11,12,14,15,16