

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

10X Wash Buffer I - 160µl

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name 10X Wash Buffer I - 160µl

Product code 10011932

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

Use of the Substance/Mixture Buffer solution for diagnostic device

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification SOPHiA GENETICS SA
La Pièce 12
CH-1180 Rolle
Switzerland
+41 21 694 10 60
<http://www.sophiagenetics.com>

1.4. Emergency telephone number local: 145 (Tox Info Suisse)
international: +41 44 251 51 51

Revision date 24.04.2025

Version GHS 2

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Serious eye damage/eye irritation, Cat. 1, H318

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H318: Causes serious eye damage.

Precautionary statements

P280: Wear protective gloves and eye protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.

Supplemental information

None.

Product identifier

Sodium dodecyl sulphate, CAS-No. 151-21-3, EC-No. 205-788-1

2.3. Other hazards

This mixture does not contain any substances classified as PBT, vPvB or endocrine disruptors at a concentration above 0.1%.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Buffer solution.

Components	Weight %	CLP Classification	Product identifier
Sodium dodecyl sulphate	4,9%	Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412, Flam. Sol. 1 H228	CAS-No.: 151-21-3 EC-No.: 205-788-1

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities

None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Not hazardous by inhalation.
Skin contact	Wash with water and soap as a precaution. Remove contaminated clothing and shoes. If skin irritation persists, call a physician.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

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

The product contains no substances known to be hazardous to health in concentrations which need to be taken into account. If you feel unwell, seek medical advice (show the label where possible). May irritate eyes.

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

None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.
Unsuitable extinguishing media	High volume water jet.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn. During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters

Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus. Wear protective suit.

Specific methods

Keep containers and surroundings cool with water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Avoid contact with skin and eyes.
For emergency responders	Use personal protective equipment. Avoid contact with skin and eyes.

6.2. Environmental precautions Do not flush into surface water.

6.3. Methods and material for containment and cleaning up Small quantities: Wipe up with adsorbent material (e.g. cloth, fleece). Large quantities: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces with water.

6.4. Reference to other sections See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Keep away from heat and sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities Store at room temperature in the original container. Keep away from heat.

7.3. Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

8.2. Exposure controls

Appropriate engineering controls General industrial hygiene practice. Provide adequate ventilation. Wash hands before breaks and immediately after handling the product.

Personal protection equipment

Respiratory protection Dust safety masks are recommended when the dust concentration is more than 10 mg/m³.

Hand protection Normally none needed. Use gloves if repeated or prolonged contact is expected.

Eye protection Avoid contact with eyes.

<i>Skin and body protection</i>	No special measures required.
<i>Thermal hazards</i>	Unstable if heated.
Environmental exposure controls	Prevent product from entering surface water or sewage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Colourless. Clear.
Odour	Odorless.
Melting point/ freezing point:	Not determined.
Boiling point or initial boiling point / range:	Not determined.
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	Not determined.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	Not applicable.
Kinematic viscosity:	Not determined.
Solubility:	soluble (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	Not determined.
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

9.2.1 Information with regard to physical hazard classes	No information available.
9.2.2 Other safety characteristics	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	Thermal decomposition starts at 170 °C.
10.4. Conditions to avoid	Keep away from heat and flame.
10.5. Incompatible materials	Strong acids and strong bases. Oxidizing agents. Peroxides.
10.6. Hazardous decomposition products	None under normal use. In case of fire hazardous decomposition products may be produced such as: Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data is available on the product itself. Sodium dodecyl sulphate (CAS 151-21-3) Dermal LD50 Rabbit = 200 mg/kg (OECD_SIDS) Inhalation LC50 Rat > 3900 mg/m ³ 1 h(NLM_CIP) Oral LD50 Rat = 1288 mg/kg (NLM_CIP)
Skin corrosion/irritation	Negligible.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Contains no substance or substances classified as sensitising.
Carcinogenicity	Contains no ingredient listed as a carcinogen
Germ cell mutagenicity	Contains no ingredient listed as a mutagen.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction.
Specific target organ toxicity - Single exposure	No data available.
Specific target organ toxicity - Repeated exposure	No data available.
Aspiration hazard	No data available.
Human experience	This product has no known adverse effect on human health.

11.2. Information on other hazards

Endocrine disrupting properties	Contains no endocrine disrupting chemicals.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	No data is available on the product itself.
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Sodium dodecyl sulphate (CAS 151-21-3)

Ecotoxicity - Earthworm - Acute Toxicity Data	"LC0 14 Days Eisenia foetida >1000 mg/kg [soil dry weight] (IUCLID)" As Sulfuric acid, mono-C8-18-alkyl esters, sodium salts [68130-43-8]
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 72 h Desmodesmus subspicatus 53 mg/L (IUCLID) EC50 96 h Desmodesmus subspicatus 30 - 100 mg/L (IUCLID) EC50 96 h Pseudokirchneriella subcapitata 117 mg/L (IUCLID) EC50 96 h Pseudokirchneriella subcapitata 3.59 - 15.6 mg/L [static] (EPA)
Ecotoxicity - Freshwater Fish -	LC50 96 h Pimephales promelas 15 - 18.9 mg/L [static] (juvenile,

Acute Toxicity Data	<p>EPA) (EPA)</p> <p>LC50 96 h Pimephales promelas 8 - 12.5 mg/L [static] (fry, EPA) (EPA)</p> <p>LC50 96 h Pimephales promelas 22.1 - 22.8 mg/L [static] (adult, EPA) (EPA)</p> <p>LC50 96 h Oncorhynchus mykiss 4.3 - 8.5 mg/L [static] (EPA)</p> <p>LC50 96 h Oncorhynchus mykiss 4.62 mg/L [flow-through] (EPA)</p> <p>LC50 96 h Oncorhynchus mykiss 4.2 mg/L (EPA)</p> <p>LC50 96 h Brachydanio rerio 7.97 mg/L [flow-through] (IUCLID)</p> <p>LC50 96 h Brachydanio rerio 9.9 - 20.1 mg/L [semi-static] (IUCLID)</p> <p>LC50 96 h Lepomis macrochirus 4.06 - 5.75 mg/L [static] (IUCLID)</p> <p>LC50 96 h Lepomis macrochirus 4.2 - 4.8 mg/L [flow-through] (EPA)</p> <p>LC50 96 h Lepomis macrochirus 4.5 mg/L (IUCLID)</p> <p>LC50 96 h Pimephales promelas 5.8 - 7.5 mg/L [static] (EPA)</p> <p>LC50 96 h Pimephales promelas 10.2 - 22.5 mg/L [semi-static] (IUCLID)</p> <p>LC50 96 h Pimephales promelas 6.2 - 9.6 mg/L (IUCLID)</p> <p>LC50 96 h Poecilia reticulata 13.5 - 18.3 mg/L [semi-static] (IUCLID)</p> <p>LC50 96 h Poecilia reticulata 10.8 - 16.6 mg/L [static] (EPA)</p> <p>LC50 96 h Cyprinus carpio 1.31 mg/L [semi-static] (EPA)</p> <p>EC50 48 h Daphnia magna 1.8 mg/L (IUCLID)</p>
Ecotoxicity - Water Flea - Acute Toxicity Data	
12.2. Persistence and degradability	No data is available on the product itself.
12.3. Bioaccumulative potential	Bioaccumulation is unlikely.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. Endocrine disrupting properties	Contains no endocrine disrupting chemicals.
12.7. Other adverse effects	No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. European Waste catalogue code (EWC-code): 07 07 99. (corresponds to the VeVA Code - Ordinance on the Movement of Waste)
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

14.1. UN number or ID number Not applicable.

14.2. UN proper shipping name Not applicable.

14.3. Transport hazard class(es) Not applicable.

14.4. Packing group Not applicable.

14.5. Environmental hazards Not applicable.

14.6. Special precautions for user Not applicable.

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

UN Model Regulations

ADR/RID Not regulated.

IMDG Not regulated.

IATA Not regulated.

Further Information Not classified as dangerous in the meaning of road and railway transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information The product is classified and labelled according to Regulation (EC) No. 1272/2008.
Ingredients according to Regulation (EC) 648/2004/EC:
<5%: anionic surfactants
Water contaminating class (WGK Germany) = 1.
Storage class 12.

Sodium dodecyl sulphate (CAS 151-21-3)

Switzerland - Chemical Risk "Use restricted. See annex 2.1 in the regulation
Reduction Ordinance - Prohibited Use restricted. See annex 2.2 in the regulation" As Anionic
and Restricted Substances surfactants [RR-03818-6]
EU - REACH (1907/2006) - List of Present
Registered Substances

15.2. Chemical safety assessment Not required.

SECTION 16: Other information

Key or legend to abbreviations and acronyms

CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
EWC: European Waste catalogue code
VeVA: Ordinance on the Treatment of Waste (SR 814.610)

Classification procedure

Calculation method.

Full text of phrases referred to under sections 2 and 3

H228: Flammable solid.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H412: Harmful to aquatic life with long lasting effects.

Training advice

For further information, please also consult our Internet site.

Instructions for use

Restricted to professional users.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Document Approvals

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