

Safety Data Sheet

Title: **Saliva Buffer SDS**

Document #: SDS-0028/ Revision. A

Status: Current; Effective Date: 12/2/2020

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SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name Saliva Buffer

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

Identified uses In vitro Diagnostics

1.3 Details of the supplier of the safety data sheet

Manufacturer Phase Scientific International Limited
32/F, Gravity, 29 Hing Yip Street,
Hong Kong
Phone: +852 9135 2570

1.4 Emergency telephone number

Emergency Number +1 (657) 296-6106 [US]
+852 9135 2570 [Hong Kong]

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

H302 Acute toxicity, Oral (Category 4)
H315 Skin irritation (Category 2)
H318 Serious eye irritation (Category 1)
H400 Short-term (acute) aquatic hazard (Category 1)
H410 Long-term (chronic) aquatic hazard (Category 1)

2.2 Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Eye Irritation
H410 Very toxic to aquatic life with long lasting effects

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Precautionary statement(s)

P273	Avoid release to the environment
P280	Wear eye protection/face protection
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth
P302 + P352	IF ON SKIN: Wash with plenty of water
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Supplemental Hazard Statements None

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Single substance or mixture

Component	Classification	
Nonionic Surfactant	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1; H302, H315, H318, H400, H410 M-Factor – Aquatic Acute: 10 – Aquatic Chronic: 1	< 1%
Tricarboxylic acid	Eye Irrit. 2; H319	
Hydrochloride salt	-	< 40 %

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact

Wash off with soap and plenty of water. Consult a physician.

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Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents.

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

Combustible.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

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7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
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8.1 Control parameters

Components with workplace control parameters.

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved appropriate government standards such as NIOSH (US) or EN 166 (EN).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740/Aldrich Z677272, size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740/Aldrich Z677272, size M)

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If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). ABEK-filter.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Red liquid
Odour	Odourless
pH	No information available
Melting point	No information available
Boiling point	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapour density	No information available
Vapour pressure	No information available
Relative density	No information available
Water solubility	No information available
Decomposition temperature	No information available
Viscosity	No information available
Oxidizing properties	No information available

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Section 10: STABILITY AND REACTIVITY

10.1 Reactivity	No information available
10.2 Possibility of hazardous reactions	No information available
10.3 Conditions to avoid	No information available
10.4 Incompatible materials	No information available
10.5 Incompatible materials. Other decomposition products	No information available

Section 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity	No information available
Skin irritation/corrosion	No information available
Serious eye damage/eye irritation	No information available
Respiratory or skin sensitization	No information available
Germ cell mutagenicity	No information available

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity	No information available
STOT-single exposure	No information available
STOT-repeated exposure	No information available
Aspiration hazard	No information available

Potential health effects**Inhalation**

May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes

Causes serious eye irritation.

Signs and symptoms of exposure

Prolonged or repeated exposure can cause; asthma, nausea, headache, vomiting.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No information available
12.2 Persistence and degradability	No information available

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12.3 Bio-accumulative potential	No information available
12.4 Mobility in soil	No information available
12.5 Results of PBT and vPvB assessment	No information available
12.6 Other adverse effects	No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging: Dispose of as unused product.

Section 14: TRANSPORT INFORMATION

14.1 UN number: ADR/RID, IMDG, IATA	3082
14.2 UN proper shipping name: ADR/RID, IMDG, IATA	Environmentally hazardous substance, liquid, N.O.S.
14.3 Transport hazard class(es): ADR/RID, IMDG, IATA	9
14.4 Packaging group: ADR/RID, IMDG, IATA	III
14.5 Environmental hazards: ADR/RID, IMDG (Marine pollutant), IATA	Yes
14.6 Special precautions for user	
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packaging and combination packaging containing inner packaging with Dangerous Goods > 5L for liquids or > 5kg for solids.	

Section 15: REGULATORY INFORMATION

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

For this product a chemical safety assessment was not carried out.

Authorisations and/or restrictions on use

This product contains a substance listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006.

After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.

Section 16: OTHER INFORMATION

Full text of H-statements referred to under sections 2 and 3.

H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
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Further information

This information is based on our present knowledge. The information given is designed only as a guidance for safe handling and is not to be considered a warranty or quality specification. All materials and mixtures may present unknown hazards and should be used with caution.

DISCLAIMER: Not for drug, household or other uses.