

SAFETY DATA SHEET FOR SAFER™ PRODUCTS (IVD)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name:	SAFER™ Products SAFER™ Total SAFER™ Clinic SAFER™ Eco SAFER™ VTM	Catalogue Number SAFER-SAL-01-B SAFER-SAL-01-P SAFER-SAL-01-E SAFER-VTM-01
1.2 Product use:	For inactivation and preservation of nucleic acids of RNA viruses collected from swabs and saliva specimens.	
1.3 Manufacturer:	Lucence Diagnostics Pte. Ltd. 211 Henderson Road, #04-02, Singapore 159552	
1.4 Technical Support:	+65 6592 5102 (Operating Hours: Monday to Friday 9:00am to 6:00pm)	

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS CLASSIFICATION / CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [EU-GHS/CLP]

H302 - Acute toxicity - Harmful if swallowed	(Category 4)
H315 - Causes skin irritation	(Category 2)
H319 - Causes serious eye irritation	(Category 2A)

2.2 Label Elements

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS



SIGNAL WORD
WARNING

PRECAUTIONARY STATEMENTS

PREVENTION

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P264 - Wash hands thoroughly after handling

RESPONSE

P302 + P313 + P332 + P352 - IF ON SKIN: Wash with plenty of soap and water. If irritation continues please seek immediate medical attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

DISPOSAL

P501 Dispose of contents / container to an approved waste disposal plant.

2.3 Other Hazards

None known.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

No disclosure requirement according to Regulation (EC) No. 1907/2006.

Chemical Names/Description

Proprietary

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

- Inhalation:** If breathed in, move person to fresh air. If person not breathing, give artificial respiration. If symptoms persist, call a doctor.
- Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician.
- Skin contact:** Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing. Immediate medical attention is required.
- Eye contact:** Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Skin:** Skin irritation. Reddening or inflammation on prolonged contact.
- Eyes:** Eye irritation. Pain, redness, blurred vision.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed, If Necessary

If skin / eye irritation occurs, please seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable fire-extinguishing media: Water spray, carbon dioxide, alcohol-resistant foam, or dry chemical powder.

Unsuitable extinguishing media: No information available.

5.2 Special Hazards Arising from the Substance/Mixture

Hazardous Combustion Products: None known.

Hazardous Decomposition Products: None known.

5.3 Special Protective Actions for Fire Fighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Avoid breathing vapors, mist or gas. Wear appropriate protective equipment as specified in Section 8.

6.2 Environmental Precautions

Prevent discharge into the environment. Dike spills and stop leakage where practical. Prevent further leakage or spillage if safe to do so. Do not allow mixture to enter drains.

6.3 Methods and Materials for Containment and Cleaning Up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4 References to Other Sections

For disposal information, see Section 13. For protective clothing and equipment, see Section 8.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Risks inherent to handling the product must be minimized by applying the appropriate protective and preventive measures. Avoid contact and inhalation. Do not get in eyes, on skin or on clothing. Do not ingest.

7.2 Conditions for Safe Storage, Including Any Incompatibles

Containers of the mixture should be segregated from incompatible chemicals (strong acids and strong oxidizing agents). Keep in a properly labelled and tightly closed container, stored in a cool, dry, well-ventilated place.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PRECAUTIONS

8.1 Control Parameters

Singapore Permissible Exposure Limit (PEL): None established.

ACGIH Threshold Limit Value (TLV): None established.

OSHA Permissible Exposure Limit (PEL): None established

8.2 Exposure Controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face Protection: Use chemical safety goggles and/or a full-face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Skin Protection: Handle with gloves. 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.

Glove material: Nitrile rubber with thickness (mm) :5 Break through time (hours) :1. Recommended glove type has not been tested for use with this product. Information is based on professional knowledge.

Skin and Body Protection: Wear laboratory coat for body protection.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical & Chemical Properties

Appearance	Transparent liquid	Odor	None
Odor Threshold	N.A.	pH	N.A.
Melting/Freezing Point (°C/°F)	No data available.	Boiling point (°C/°F)	No information found
Flash Point (°C/°F)	N.A.	Evaporation Rate	No information found
Flammability	N.A.	Upper/Lower Flammability or Explosive Limits	N.A.
Vapor Pressure	No information found	Vapor Density (Air = 1)	No information found
Relative Density	No information found	Water Solubility	Soluble
Partition Coefficient: n-octanol/water	log Pow -11.7	Autoignition Temperature (°C/°F)	N.A.
Decomposition Temperature (°C/°F)	N.A.	Viscosity	No data available.
Explosive Properties	N.A.	Oxidizing Properties	Not an Oxidizer

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity:	Non-reactive under ordinary conditions of use.
10.2 Chemical Stability:	Stable under ordinary conditions of use and storage.
10.3 Possibility of Hazardous Reactions:	Will not occur under normal conditions of use (See Sections 10.4 & 10.5).
10.4 Conditions to Avoid:	No information found.
10.5 Incompatible Materials:	Strong oxidizing agents.
10.6 Hazardous Decomposition Products:	Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral Rat LD50 (mg/kg)	N.A.
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Dermal Rabbit LD50 (mg/kg) N.A.

Potential Health Effects

Inhalation: Substance has low toxicity by inhalation

Ingestion: Harmful if swallowed.

Skin: Mild skin irritant.

Eyes: Causes irritation. Solutions are severe irritants to the eye.

Carcinogenicity: No information.

Germ Cell Mutagenicity: No information.

Reproductive Toxicity: No information.

Teratogenic Effects: No information.

Routes of Entry: Inhalation or ingestion. Not likely to be absorbed through the skin in harmful amounts.

Specific Target Organ Toxicity: Bladder, kidneys.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic Toxicity (ppm unless otherwise noted)	Vertebrates No data	Invertebrates No data	Algae No data	Microorganisms No data
Terrestrial Environment Toxicity (ppm unless otherwise noted)	Birds No data	Arthropods No data	Plants No data	Microorganisms No data

12.2 Persistence and Degradability:	No data
12.3 Bioaccumulative Potential:	No data
12.4 Mobility in Soil:	No data
12.5 Results of PBT and vPvB Assessment:	No data
12.6 Other Adverse Effects:	None

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of surplus or non-recyclable products via a licensed waste-disposal contractor. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.

SECTION 14 - TRANSPORT INFORMATION

	ADR/RID	IATA	IMO	DOT
14.1 UN Number	N.A.	N.A.	N.A.	N.A.
14.2 Shipping Name	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.3 Hazard Class	N.A.	N.A.	N.A.	N.A.
14.4 Packing Group	N.A.	N.A.	N.A.	N.A.
14.5 Environmental Hazards	N.A.	N.A.	N.A.	N.A.
14.6 Special Precautions	N.A.	N.A.	N.A.	N.A.

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations Specific for The Substance or Mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

OSHA Process Safety Standard: This material is not known to be hazardous under the OSHA Highly Hazardous Process Safety Standard (29 CFR 1910.11).

SECTION 16 – OTHER INFORMATION

SOURCES OF DATA USED FOR THIS SDS:

Suppliers' Safety Data Sheets

Prepared Date: 05 January 2021

The above information is believed to be correct at the time of publication but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lucence Health Inc., Lucence Diagnostics Pte. Ltd., our subsidiaries and affiliates (collectively, "Lucence") shall not be held liable for any damage resulting from handling or from contact with the above product.

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