

Safety Data Sheet

Effective Date: 2023-03-09

SDS-0002 (C): iSWAB-MB-EL

Section 1 - IDENTIFICATION

Product Part Numbers

ISM-T-EL; ISM-T-EL-R, iSWAB™-MB-EL

Trade Name

iSWAB™-Microbiome-EL (Extraction-Less) Collection Device

Manufacturer Information

MAWI DNA TECHNOLOGIES LLC.

1252 Quarry Lane, Suite A

Pleasanton, CA 94566, USA

Phone: +1 (510) 256-5186

Emergency # +1 (510) 256-5186

Monday-Friday 8:00am-5:00pm

Recommended Use

Biosampling.

The iSWAB™-Microbiome-EL (MB-EL) collection device is intended to stabilize and inactivate nucleic acids from upper and lower respiratory human specimens (that are suspected of containing infectious microbes or viruses such as SARS-CoV-2) for direct testing without the need for RNA extraction.

Section 2 - HAZARD(S) IDENTIFICATION

Hazard Classification

Not classified as hazardous according to GHS.

Signal word and Pictogram

Not a hazardous substance or mixture.

Precautionary Statement(s)

Not a hazardous substance or mixture.

Hazard(s) Not Otherwise Classified

NA: Non-hazardous mixture

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Description

The iSWAB™-MB-EL collection device consists of a collection tube that is pre-filled with 800 µL of the iSWAB™-MB-EL inactivation buffer and fitted with a proprietary insert.

The iSWAB™-MB-EL inactivation buffer is a proprietary solution without any ingredients which have been determined to be health hazards, and which comprise more than 1% (0.1% for carcinogens) of the mixture:

CAS	iSWAB™-MB-EL Inactivation Buffer Component	Percent
7732-18-5	Non-hazardous mixture (water-based solution that includes nontoxic inactivation agents, salts, and pH buffer)	100%

Additional Composition Information

None.

Section 4 - FIRST-AID MEASURES

Description of Necessary Measures

Inhalation

If adverse effects occur, remove to uncontaminated area. Get medical advice/attention if you feel unwell.

Skin Contact

Wash with soap or mild detergent and large amounts of water.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

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Ingestion

Rinse mouth with water. Call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms/Effects

Acute

No information on significant adverse effects.

Delayed

No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

No additional information is available.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Chemical

Hazardous Combustion Products

Combustion: This is a water-based product.

Special Protective Equipment and Precautions for Firefighters

No applicable data for the product.

Fire Fighting Measures

No applicable data for the product.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

See Section 8 for personal protection information.

Methods and Materials for Containment and Cleaning Up

Collect with absorbent into suitable container. As with all laboratory materials, keep out of water supplies and sewers.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good laboratory hygiene and safety practices.

Conditions for Safe Storage

Keep container tightly closed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

No applicable data for the product

Appropriate Engineering Controls

Ensure adequate ventilation suitable for the laboratory setting.

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

Wear suitable safety glasses or face shield for the laboratory setting.

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Skin Protection

No special clothing is required.

Glove Recommendations

Wear gloves suitable for the laboratory setting.

Respiratory Protection

No special respirator is required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear and colorless liquid	Odor:	Odorless
pH:	6.0-7.0	Odor Threshold:	Not available
Conductivity:	3.1-3.6	Melting Point:	Not available
Density:	1.0	Flash Point:	Non-flammable
Boiling Point:	Not available	OSHA Flammability Class:	Not applicable
Evaporation Rate:	Not available	Vapor Density (air = 1):	Not available
Vapor Pressure:	Not available	Specific Gravity (water = 1):	Not available
Water Solubility:	Yes	Coeff. Water/Oil Dist:	Not available
Viscosity:	Not available	Volatility:	Not available

Section 10 - STABILITY AND REACTIVITY

Reactivity

NA.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

No data available.

Incompatible Materials

No data available.

Hazardous Decomposition Products

No data available.

Hazardous Decomposition

Combustion: This is a water-based product.

Section 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

No data available.

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Information on Likely Routes of Exposure

Inhalation

No applicable data for the product.

Ingestion

No applicable data for the product.

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Skin Contact

No applicable data for the product.

Eye Contact

No applicable data for the product.

Immediate Effects

No information on significant adverse effects.

Delayed Effects

No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

None known.

Irritation/Corrosivity Data

No applicable data for the product.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Carcinogenicity

Component Carcinogenicity

No ingredient of this product present at levels greater than or equal to 0.1% is listed by ACGIH, IARC, NTP, DFG or OSHA.

Specific Target Organ Toxicity - Single Exposure

None known.

Specific Target Organ Toxicity - Repeated Exposure

None known.

Aspiration Hazard

Not expected to be an aspiration hazard.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

No applicable data for the product.

Component Analysis - Aquatic Toxicity

No LOLI ecotoxicity data are available for this product's components.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of all laboratory materials in accordance with all applicable federal, state/regional, and local laws and regulations.

Disposal of Contaminated Packaging

None needed according to classification criteria.

Section 14 - TRANSPORT INFORMATION

US DOT Information

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

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TDG Information

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

IMDG Information

This product is not classified as Dangerous Goods by the International Maritime Organization.

IATA Information

This product is not classified as Dangerous Goods, by rules of IATA.

ADR Information

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods

Section 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

SARA REPORTING REQUIREMENTS: None

MARINE POLLUTANT: This product contains no component listed as a Marine Pollutant under 49 CFR 172.101, Appendix B.

TSCA : All components in this product mixture are listed on the USA Toxic Substances Control Act (TSCA) inventory of chemicals or are exempt from listing.

SARA 311/312: Acute health: No; Chronic health: No; Fire: No; Reactivity: No

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

U.S. TSCA INVENTORY STATUS – All of the components of this product are listed in the TSCA Inventory or exempt.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does not contain any component above the 0.1% level which is listed as a California Proposition 65 chemical.

Note the chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

U.S. STATE RIGHT-TO-KNOW REGULATIONS: Not applicable.

COMPONENT ANALYSIS – INVENTORY:

CAS	iSWAB™-MB-EL Inactivation Buffer Component	Percent
7732-18-5	Non-hazardous mixture (water-based solution that includes nontoxic inactivation agents, salts, and pH buffer)	100%

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory or exempt.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Not regulated.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU DANGEROUS PREPARATIONS DIRECTIVE (DPD) LABELING AND CLASSIFICATION: This product does not meet the definition of any hazard class, as defined by the European Union Council Directives 67/548/EEC and 1999/445/EC and subsequent Directives. For information on classification under CLP Regulation (EC) 1271/2008, please refer to section 16 (Other Information.)

Classification – Not Classified

Risk Phrases – Not Classified

Safety Phrases – Not Classified

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AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS or exempt.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

* * *Section 16 - OTHER INFORMATION* * *

Summary of Changes:

Revised SDS-0002(B):iSWAB-MB-ELwith change of address, new effective date and revision

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; CA - Canada; CAS - Chemical Abstracts Service; DFG - Deutsche Forschungsgemeinschaft; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EU - Regulation (EC) No 1272/2008 - Classification, Labelling and Packaging (CLP); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC Code - International Bulk Chemical Code; ICAO - International Civil Aviation Organization; Kow - Octanol/water partition coefficient; LC50 - Lethal Concentration, 50%; LEL - Lower Explosive Limit; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; REACH - Registration, Evaluation, Authorization and Restriction of Chemicals; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit; Workplace Hazardous Materials Information System (WHMIS)

Other Information

The information contained in this document expresses our current knowledge and experience; however, this cannot imply guarantee of any nature. Considering the variety of factors that can affect their process or application, the information on this sheet does not exempt the processors from the responsibility of executing their own tests and experiments.