


Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

1- Product and Company Identification

Product Name	ASL BUFFER
Reference number	TT403
Identified uses	Used primarily in the extraction and purification of DNA from stool samples
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474

2- HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Other hazards

None known.

3- COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture:

Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
sodium dodecyl sulphate	151-21-3	>= 1 - < 10

Actual concentration is withheld as a trade secret

4- First Aid Measures

General advice:

Show this material safety data sheet to the doctor in attendance.

If inhaled:

Move to fresh air.

If symptoms persist, call a physician.

In case of skin contact:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

If symptoms persist, call a physician.

In case of eye contact:

Remove contact lenses.

Protect unharmed eye.

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

If swallowed:

If accidentally swallowed obtain immediate medical attention.

Rinse mouth with water.


Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:

None known.

Notes to physician:

No information available.

Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

5- Fire Fighting Measures

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards during firefighting:

Exposure to decomposition products may be a hazard to health.

Hazardous combustion products:

Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides

Further information:

In the event of fire and/or explosion do not breathe fumes.

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus for firefighting if necessary.

6- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up:

Keep in suitable, closed containers for disposal.

7- Handling and Storage

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

Advice on safe handling:

Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place.


Further information on storage stability:

No decomposition if stored and applied as directed.

8- Exposure Controls, Personal Protection

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

Personal protective equipment

Hand protection

Remarks:

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection:

Safety glasses

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Footwear protecting against chemicals

Hygiene measures:

Keep away from food and drink.

Wash hands before breaks and at the end of workday.


Ensure adequate ventilation, especially in confined areas.

Avoid contact with the skin and the eyes.

When using do not eat, drink or smoke.

9- Physical and Chemical Properties

Appearance:	liquid
Color:	colorless
Odor:	characteristic
Odor Threshold:	No data available
pH: ca.	5.4 - 5.6
Melting point/ range:	No data available
Boiling point/boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Burning rate:	No data available
Upper explosion limit / Upper flammability limit:	No data available
Lower explosion limit / Lower flammability limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Relative density:	No data available
Density:	1.04 g/cm ³
Solubility(ies)	
Water solubility:	soluble
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	not determined
Decomposition temperature:	No data available
Viscosity	
Viscosity, dynamic:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

10- Stability and Reactivity

Reactivity:

No decomposition if stored and applied as directed.

Chemical stability:

No decomposition if stored and applied as directed.

Possibility of hazardous reactions:

Stable under recommended storage conditions.

Hazardous decomposition products formed under fire conditions.

Keep away from oxidizing agents, and acidic or alkaline products.

Conditions to avoid:

No data available

Incompatible materials:

No data available

Hazardous decomposition products:

No decomposition if stored and applied as directed.

No hazardous decomposition products are known.

11- Toxicological Information

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity:

Remarks: No data available

Components:

sodium dodecyl sulphate:

Acute oral toxicity:

LD50 Oral (Rat): 977 mg/kg

Acute dermal toxicity:

LD50 Dermal (Rabbit): 580 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Product:

Remarks:

May cause skin irritation and/or dermatitis.

Components:

sodium dodecyl sulphate:

Species: Rabbit

Exposure time: 24 h

Result: Irritating to skin.

Serious eye damage/eye irritation

Not classified due to lack of data.

Product:

Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	hylabs®
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

Remarks:

The product causes irritation of eyes, skin and mucous membranes.

Components:
sodium dodecyl sulphate:

Species: Rabbit

Result: Risk of serious damage to eyes.

Method: OECD Test Guideline 405

Respiratory or skin sensitization
Skin sensitization

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Product:

Remarks: No data available

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

IARC

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

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

Not classified due to lack of data.

Components:
sodium dodecyl sulphate:

Routes of exposure: Inhalation

Assessment: May cause respiratory irritation.

STOT-repeated exposure
Aspiration toxicity


Not classified due to lack of data.

Further information

Product:

Remarks: No data available

12- Ecological Information
Ecotoxicity
Product:

Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

Toxicity to fish:
Remarks: No data available

Toxicity to algae/aquatic plants:
Remarks: No data available

Toxicity to microorganisms:
Remarks: No data available

Components:
sodium dodecyl sulphate:
Toxicity to fish:
NOEC (Oncorhynchus mykiss (rainbow trout)): 19.5 mg/l
Exposure time: 96 h
LC50 (Oncorhynchus mykiss (rainbow trout)): 3.6 mg/l
Exposure time: 96 h
Toxicity to algae/aquatic plants:
(Pseudokirchneriella subcapitata (green algae)): 2.68 mg/l
Exposure time: 150 h
Test Type: Growth inhibition

Persistence and degradability
No data available
Bioaccumulative potential

Product:
Bioaccumulation:
Remarks: No data available

Components:
sodium dodecyl sulphate:
Partition coefficient: n-octanol/water:
log Pow: 1.6
Mobility in soil
No data available

Other adverse effects
Product:
Ozone-Depletion Potential:
Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA
Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information:
No data available

13- Disposal Information

Disposal methods


Waste from residues:

Send to a licensed waste management company.

Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging:

Dispose of as unused product.

Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

Do not re-use empty containers.

14- Transport Information

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

US 49 CFR

Not regulated as a dangerous good

Special precautions for user

Remarks:

Not classified as dangerous in the meaning of transport regulations.

15- Regulatory Information

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards:

No SARA Hazards

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California List of Hazardous Substances

Polyvinyl pyrrolidone 9003-39-8

TSCA list


No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16- Other Information

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer;

Effective date: 10/12/25	Hy-Labs Cat. No: TT403	MSDS FORMAT	
Doc. No: MSDS-TT403		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

The information in this MSDS is based on current and reliable sources 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.

This information cannot be considered a guarantee of the properties of the product; it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products.

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.