

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EC) No. 2020/878

Issuing date: 20-May-2022
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Version: 3.0

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product code(s): 133001007

Product name: Lactose Intolerance Test

REACH registration number: No registration number is given yet for this substance in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired.

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

Recommended use: This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

Use description code: Not available.

Uses advised against: Not for consumer use.

1.3. Details of the supplier of the safety data sheet

Supplier

STAB VIDA, Lda.

Madan Parque - Rua dos Inventores, Salas 2.18.

2825-182 Caparica

PORTUGAL

Tel: (+351) 938 437 766

For further information, please contact: drvida@stabvida.com

1.4. Emergency telephone number

Poison Information Centre Emergency Phone (CIAV): + 351 800 250 250

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Physical hazards: Not classified

Health hazards: - Aspiration hazard (Category 1), H304 (May be fatal if swallowed and enters airways)
- Acute toxicity (oral, dermal, inhalation) hazard (Category 4), H315 (Skin Irrit), H319 (Eye Irrit)

Environmental Hazards: Not classified

Additional information: Not applicable

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:


Signal word: Danger; Warning.

Hazard statements:

- H304 – May be fatal if swallowed and enters airways.
- H315 – Harmful in contact with skin. Skin Irrit. 2
- H319 – Harmful if swallowed. Eye Irrit. 2

Precautionary Statements - EU (§28, 1272/2008):

- P280 – Wear protective gloves/ protective clothing;
- P301 + P310 – If swallowed: Immediately call a Poison Center/medical assistance;
- P331 – Do not induce vomiting;
- P405 – Store locked up;
- P501 – Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard information (EU)

EUH066 – Repeated exposure may cause skin dryness or cracking.

2.3. 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances/Mixture

Mixture	Product Identifier	Classification according to Regulation (EC) No. 1272/2008 [CLP]
LC-LaCl-LB (Potassium hydroxide, KOH)	CAS No 1310-58-3 EC No 215-181-3	Acute toxicity hazard (Category 4), H315 e H319
n-Hexadecane (Cetane)	CAS No 544-76-3 EC-No 208-878-9	Aspiration hazard (Category 1), H304
Phenol red (Sodium Salt)	CAS No 34487-61-1 EC-No 252-057-8	Not classified

4. FIRST AID MEASURES

4.1. Description of first aid measures

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

Eye contact: Rinse cautiously with water for several minutes. After initial flushing, remove any contact lenses, if present and easy to do so, and continue rinse with water for an additional 15minutes. If symptoms persist, call a physician.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Drink plenty of water. If symptoms persist, call a physician.
After swallowing: caution if victim vomits. Risk of aspiration. Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Notes to Physician No information available.

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

Main symptoms: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

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

Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical:

- Carbon oxides;
- Combustible;
- Vapours are heavier than air and may spread along floors;
- Forms explosive mixtures with air on intense heating;
- Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full protective gear. Use of personal protection equipment.

5.4. Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedure

Do not breathe vapors, aerosols. Avoid contact with skin and eyes. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Always wear recommended Personal Protective Equipment. See section 8 for more details.

6.2. Environmental precautions

Avoid release to the environment. Do not let product enter drains. See Section 12 for additional Ecological Information

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Keep in appropriate and closed containers for disposal. Dispose of materials or solid residues at an authorized site. Never return spills to original containers for re-use. Clean up affected area. Ventilate the exhibit area to dissipate residual vapours.

6.4. Reference to other sections

For personal protection, see Section 8 for more information.

For disposal, see Section 13 for more information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Use personal protective equipment as required. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Ensure adequate ventilation. Smoking, eating and drinking should be prohibited in the application area.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Specific use(s): Apart from the use(s) mentioned in Section 1.2, no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits: Contains no substances with occupational exposure limits.

Derived No effect Level (DNEL): No information available.

Predicted No Effect Concentration (PNEC): No information available.

8.2. Exposure controls

Appropriate engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation, especially in contained areas.

Personal protective equipment

Eye protection: Tightly fitting safety goggles

Hand protection: Wear suitable protective gloves, i.e., compatible chemical-resistant gloves

Skin and body protection: Wear suitable protective clothing

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Thermal hazards:	No data available
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Keep away from food and drink. When using do not eat, drink or smoke.
Environmental controls:	exposure No special environmental precautions required. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Notes</u>
Appearance	Form: Liquid Colour: colourless	-
Odour	No data available	-
pH	8.8	-
Melting/freezing point	No data available	-
Boiling point/boiling range	No data available	-
Flash point	No data available	-
Evaporation rate	No data available	-
Flammability (solid, gas)	No data available	-
Flammability Limits in Air upper flammability limit lower flammability limit	No data available	-
Vapor pressure	No data available	-
Vapor density	No data available	-
Relative density	No data available	-
Water solubility	No data available	-
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, kinematic	No data available	-

<u>Property</u>	<u>Values</u>	<u>Notes</u>
Explosive properties	No data available	-

9.2. Other information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information	Product does not present an acute toxicity hazard based on available information.
Inhalation	There is no data available for this product.
Eye contact	May cause eyes irritation.
Skin contact	May cause skin irritation.
Ingestion	There is no data available for this product.

Chronic toxicity

Corrosivity	There is no data available for this product.
Sensitization	There is no data available for this product.
Neurological effects	There is no data available for this product.
Reproductive toxicity	There is no data available for this product.
Mutagenic effects	There is no data available for this product.
Target Organ Effects	There is no data available for this product.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity effects: As supplied, the preparation is not expected to present significant adverse environmental effects.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative 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. Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products: Dispose of in accordance with local regulations.

Contaminated packaging: Do not reuse empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADR / IATA / DOT / IMDG

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazard

Not applicable

14.6. Special precautions for user

None

15. REGULATORY INFORMATION

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

European Union

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) None

Persistent Organic Pollutants

Not applicable.

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AICS	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

16. OTHER INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and Regulation (EC) No. 2020/878

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Prepared by STAB VIDA
Revision note Contact drvida@stabvida.com for latest revision.

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