

SAFETY DATA SHEET

In conformity with the Regulation (EC) n.º 1907/2006 and
Regulation (EC) n.º 2020/878

Emission date: 06-06-2024

Revision Date: 06-06-2024

Version: 1.0

1. SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product code: 133001017

Product name: Doctor Vida® – Lysis Buffer

CAS Numbers: 1310-58-3 (1.64%)

EC Numbers: 215-181-3 (1310-58-3)

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

Identified uses: Laboratory reagent, industrial applications.

Uses advised against: Not for human consumption or medical applications.

1.3. Details of the supplier of safety data sheet

Supplier

STAB VIDA, Lda.

Madan Parque - Rua dos Inventores, Salas 2.18-2.19

2825-182 Caparica

PORTUGAL

Telephone: (+351) 938 437 766

Telefax: (+351) 21 043 8608

For additional information, contact: drvida@stabvida.com

1.4. Emergency Telephone Number

Emergency Telephone number of Poison Information Center (CIAV): + 351 800 250 250

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) n.º 1272/2008 [CLP]

Potassium hydroxide (CAS No 1310-58-3): Skin Irrit. 2 H315, Eye Irrit H319

2.2. Labels Elements

Hazard Pictograms:



Hazard statements:

H315 –Causes skin irritation. Skin Irrit. 2

H319 – Causes serious eye irritation. Eye Irrit. 2

Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3. Other hazards

Not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Mixture	Product Identification	Concentration
Potassium Hidroxiide (KOH)	CAS No: 1310-58-3 EC No: 215-181-3	1.64%

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice:	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
If inhaled:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
In case of skin contact:	Remove contaminated clothing. Rinse skin immediately with plenty of water for at least 15 minutes. Call a physician immediately.
In case of eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
If swallowed:	Do NOT induce vomiting. Rinse mouth with water. Call a physician immediately.

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

Causes severe skin burns and eye damage.

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 water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Unsuitable extinguishing media:	Unavailable information.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions:

- Potassium oxides.

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5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

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

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let the product enter drains.

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 personal protection, see Section 8.
For disposal, see Section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Laboratory
reagent

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Component: Potassium hydroxide
CAS No: 1310-58-3
Exposure limits: ACGIH TLV: Ceiling 2 mg/m³

8.2. Exposure controls

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Eye/face protection:

Tightly fitting safety goggles.

Skin protection:

Handle with gloves. Gloves must be inspected prior to use.

Body protection:

Complete suit protecting against chemicals.

Respiratory protection:

If the risk assessment indicates the need, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Propriety

Appearance

Values

Form: Liquid

Colour: incolor / pink

Remarks

-

Propriety	Values	Remarks
Odor	Não existem dados disponíveis	-
pH	Alkaline	-
Melting point/freezing point	No data available	-
Initial boiling point and boiling range	No data available	-
Flash point	No data available	-
Evaporation rate	No data available	-
Flammability (solid, gas)	No data available	-
Upper/lower flammability or explosive limits	No data available	-
Vapor pressure	No data available	-
Vapor density	No data available	-
Relative density	No data available	-
Solubility (ies)	Completely soluble in water	-
Partition coefficient	No data available	-
Auto-ignition temperature	No data available	-
Decomposition temperature	No data available	-
Viscosity	No data available	-

9.2. Other information

No additional information available.

10. STABILITY AND REACTIVITY

10.1. Reativity

Reacts with acids, strong oxidizers.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal conditions of use.

10.4. Conditions to avoid

Exposure to moisture, air.

10.5. Incompatible materials

Acids, strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Potassium oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: No data available

Skin corrosion/irritation: Causes severe skin burns.

Serious eye damage/eye irritation: Causes serious eye damage.

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: 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 data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potencial

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

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

Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1. UN number

UN 1814

14.2. UN proper shipping name

Potassium hydroxide solution

14.3. Transport hazard class(es)

8 (Corrosive substances)

14.4. Packing group

II

14.5. Environmental hazards

None

14.6. Special precautions for user

None

15. REGULATORY INFORMATION

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

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

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for this mixture.

16. OTHER INFORMATION

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

H314: Causes severe skin burns and eye damage.

Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

EC: European Community

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IARC: International Agency for Research on Cancer

PBT: Persistent, Bioaccumulative, and Toxic

vPvB: very Persistent and very Bioaccumulative

Disclaimer

Last revision date

6 June 2024

Created by

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Disclaimer Statement

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