Material Safety Data Sheet
Kit for the determination of L-lactic acid

OENOLAB

1. Chemical identification and company information

Product name: kit for the determination of L-lactic acid
Reference: E04.
Field of application: Food analysis.
Date of issue: 12-2009.
Information in case of emergency: +33 (0) 5 59 63 89 54
Reagent supplier: **Oenolab diagnostics**

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2. Composition of product and information on ingredients

Dangerous components: None in the amounts used.
Chemical Characterization:
Bottle A (Plastic 100 ml) – not necessary;
Bottle B (Plastic 13 ml) - not necessary;
Bottle C (Plastic 500 µl) - not necessary;
Bottle STD (Plastic 2 ml) – not necessary.

3. Physical and chemical characteristics

Form, color and pH: Bottle A: colorless liquid pH=9;
Bottle B: colorless liquid pH=7.5;
Bottle C: colorless suspension pH=6;
Bottle STD: colorless liquid pH=5.

Odor: None.
Solubility in water: Water soluble.
Not flammable.
Not explosive.

4. Identification of hazard

Based on the concentrations in the composition, this is not a hazardous product.
Usual laboratory precautions should be observed.

5. Health effects

If swallowed - May irritate the gastro-intestinal tract.
Eyes and skin - May cause irritations.
If inhaled - May irritate the respiratory tract.

6. Emergency first aid procedures

In case of inhalation: Remove to fresh air. In case of further discomfort, seek medical attention.
In case of skin contact: Flush with large quantity of cold water, remove contaminated clothing.
In case of contact with eyes: Flush with large quantity of cold water while separating the eyelids with fingers for at least 10 min. If irritations occur seek medical advice.
If accidentally swallowed: Drink a large quantity of cold water and seek medical attention.

7. Accidental spillage measures

Procedure to be followed on spillage: Use sufficient amount of water to dilute spilled product and then absorb.
Absorbent material: No restriction.

8. Handling and storage

Handling: No special requirements.
Storage: Dry, at +2 ºC to +8 ºC. Contamination is to be avoided. Do not freeze the reagent.
Do not store together with: No restriction.

9. Personal protection exposure controls

Application of minimum protective standards is necessary. Reagents contain sodium azide. This is a poisonous chemical. When handling this product, we recommended wearing protective gloves and glasses. It is important to avoid direct contact with skin. Rubbing of the face or eyes should be avoided when wearing protective gloves that have been in contact with enzyme. Wash hands after finishing work. Avoid swallowing and do not store together with food.

10. Stability and reactivity

Hazardous decomposition products: None known.
Avoidable conditions & substances: None known.

11. Fire-fighting measures

Appropriate extinguishing agent: No restriction.

12. Toxicological information

Quantitative data concerning the toxicity of the product are not available.
Dangerous properties cannot be ruled out. Regardless, risks are not to be expected if the product is manipulated by trained and authorized personnel and if usual precaution measures when handling chemicals are observed.

13. Ecological information

Ecotoxicological effects: Quantitative data of the ecological impact of this product are not known.
Biological degradability: Not known.
Biological effects: Contains Sodium azide<0,1 %w / v, Azides are toxic for water organisms.
Water hazard: Class 1 according to German Federal regulations.

14. Disposal Considerations

Waste disposal: There are no uniform regulations for the disposal of chemicals. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the waste.
Disposal of empty packaging: Dispose according to the regulations of the public authorities, clean them beforehand.

15. Transport Information

This product is not subject to current regulations for transportation of hazardous goods.

16. Other Information

This Material Safety Data Sheet contains information believed to be accurate and complete at the date of preparation. The statements contained herein are offered for informational purposes only and should be used only as a guide. Oenolab diagnostics believes them to be accurate but does not purport to be all-inclusive. The above-stated product is intended for use only by persons having the necessary technical skills and facilities for handling the product at their discretion and risk. Since conditions and manner of use are outside our control, we (Oenolab diagnostics) make no warranty of merchantability or any such warranty, express or implied with respect to information. Furthermore we assume no liability resulting from the above product or its use. Users should make their own investigations to determine suitability of information and product for their particular purposes. Accordingly, Oenolab diagnostics will not be responsible for damages resulting from use of or reliance upon this information.