
SECTION 1: Name of the substance or mixture and the company

1.1 Product identifierTrade name: **LPS E. coli O55:B5**

| I.U./Vial Depending on test and lysate | Article No° | I.U./Vial Depending on test and lysate | Article No° |
|---|--------------------|---|--------------------|
| 2,0 mg (ca.20.000.000 I.E.) | 1230320 | 0,5 µg (ca. 5.000 I.E.) | 1230350 |
| 1,0 mg (ca.10.000.000 I.E.) | 1230315 | 0,3 µg (>3.000 I.E.) | 1230337 |
| 10,0 µg (ca. 100.000 I.E.) | 1230365 | 0,2 µg (>2.000 I.E.) | 1230336 |
| 5,0 µg (ca. 50.000 I.E.) | 1230360 | 0,1 µg (>1.000 I.E.) | 1230335 |
| 1,0 µg (ca.10.000 I.E.) | 1230355 | 5 mg/5 ml | 1230010 |

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

Use of the substance/mixture: laboratory reagent

Uses that are not recommended: All other uses are strongly discouraged.

1.3 Details of the supplier providing the safety data sheet**Manufacturer**

Company name: ACILA AG
Street: Opelstrasse 14
Place: D-64546 Moerfelden-Waldorf,
Telephone: +49 (0) 6105930125
Email: sdb@acila.de

1.4 Emergency number

For medical problems:

Poison Information Centre Mainz, 24h: +49 (0) 613119240

SECTION 2: Possible hazards

2.1. Classification of the substance or mixture

In accordance with Regulation (EC) No 1272/2008 (GHS/CLP)

GHS classification

category 2

Warnings:

H290 May be corrosive to metals.

2.2 Label elements

Pictograms: **GHS05**



Hazardous Statements

300 - Fatal if swallowed

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P321 - Specific treatment (see Emergency Phone Number on this label)

P330 - Rinse mouth

P405 - Store locked up.

2.3 Other hazards

Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substance s

| Chemical Designation | CAS No. EC No. | Concentration | Classification | H-phrases |
|---------------------------------------|---------------------------------------|---------------|----------------|-----------|
| Lipopolysaccharide, E. coli O55:B5 | CAS-No 93572-42-0 EG-No: 297-473-0 | ≤ 100 % | Acute Tox. 2 | H300 |

Text of H-phrases: see section 16.

The product does not contain substances with endocrine-disrupting properties

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye contact

Self-protection of the first aider Use personal protective equipment as required First aider: pay attention to self-protection! Personal protective equipment: see section 8.

After inhalation

Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

IF INHALED: Remove the person to fresh air and ensure unobstructed breathing. Consult a doctor if symptoms persist.

After skin contact

Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

After eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Ingestion

Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: Firefighting measures

5.1 Extinguishing agents**Suitable extinguishing agents**

The product itself is not flammable. Adapt extinguishing measures to the surrounding fire.

5.2. Specific hazards of the substance or mixture

Specific hazards arising from the chemical - No information available

Hazardous combustion products - In the event of a fire, dangerous combustion gases or vapors may form

5.3 Instructions for firefighting

If necessary: full firefighting protective equipment and self-contained breathing apparatus.

Special protective clothing for firefighters:

Appropriate protective equipment, including flame retardant coats and helmets with full face protection, gloves, rubber boots and self-contained breathing apparatus with full face mask in compressed air mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.
For emergency responders Use personal protection recommended in Section 8

6.2 Environmental protection measures

Do not allow uncontrolled release into the environment. If uncontrolled release occurs, contact environmental agency.

6.3 Methods and materials for retention and cleaning

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thorough

6.4 Reference to other sections

For information on safe handling, see section 7.
For information on personal protection, see section 8.
For information on disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling**Advice on safe handling**

Do not eat, drink or smoke when handling the product. Keep container tightly closed. Ensure adequate ventilation. Avoid formation of vapours/mists/aerosols. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Avoid contact with skin, eyes, and clothing. Use personal protective equipment (see section 8).

Information on fire and explosion protection

Keep away from radio and ignition sources, as well as open fire and hot surfaces.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers Store container in a cool and well-ventilated place. Store below 50 °C. Protect from direct sunlight. Store under lock and key. Keep away from food, drink and animal feeding stuffs. Observe and comply with all relevant local and national regulations concerning storage of containers.

Further information on storage conditions

Keep away from strong oxidizing agents, reducing agents, acids, bases and halogens. Store separately from oxidizing and spontaneously flammable as well as highly flammable substances. Stock class according to TRGS 510: LGK 10-13.

7.3 Specific end applications

See section 1.2.

SECTION 8: Exposure control and monitoring/Personal protective equipment

8.1 Parameters to monitor

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

8.2 Exposure control and monitoring**Eye/face protection**

Tight sealing safety goggles.

Skin and Body Protection

Wear protective gloves and protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties of:

| | |
|-------------------------------------|--------------------------------|
| Color | colorless |
| Physical state | lyophilized powder |
| Melting point/freezing point: | Data not available |
| Boiling start and boiling range: | No data available |
| Flash point: | No data available |
| Evaporation rate: | No data available |
| Flammability (solid, gaseous): | Data not available |
| Upper/Lower or explosion limits: | Flammability-No data available |
| Vapour pressure: | No data available |
| Vapour density: | No data available |
| Solubility(s): | Soluble in water |
| Water solubility: | |
| Partition coefficient: | n-No data available |
| Octanol/Water: | |
| Ignition temperature: | Not applicable |
| Decomposition temperature: | No data available |
| Viscosity: | Data not available |

9.2 Other security information

No information available

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not applicable.

10.2 Chemical stability

The product is chemically stable under normal ambient conditions at room temperature.

10.3 Possibility of dangerous reactions

Violent reactions with strong oxidizing agents possible.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition productsHazardous Decomposition Products Carbon oxides. Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1. Information on hazard classes within the meaning of Regulation (EC) No 1272/2008**Acute toxicity**

Based on available data, the classification criteria are not met.

Corrosive/irritant effect on the skin

Slight irritant effect on the skin possible.

Severe eye damage/irritation

Irritant effect on the eyes possible.

Sensitization of the respiratory tract/skin

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific target organ toxicity at single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity with repeated exposure

Based on available data, the classification criteria are not met.

Aspiration risk

Based on available data, the classification criteria are not met.

11.2 Information on other hazards**11.2.1. Endocrine disrupting properties**

The product has no endocrine-disrupting properties.

11.2.2. Other information

No further information available.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulation potential

No information available.

12.4 Mobility in the soil

No information available.

12.5 PBT and vPvB assessment results

The ingredients of the product do not meet the criteria for classification as PBT or vPvB.

12.6 Endocrine disrupting properties

The product has no endocrine-disrupting properties.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal Instructions

13.1 Waste treatment process**Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Information on transport

| | RID / ADR | IMDG | ICAO (air) / IATA |
|-------------------------------|-----------|------|-------------------|
| 14.1 UN number | - | - | - |
| 14.2 Prope name | - | - | - |
| 14.3 Transport hazard classes | - | - | - |
| 14.4 Packaging group | - | - | - |
| 14.5 Environmental hazards | - | - | - |
| 14.6. Special | - | - | - |

SECTION 15: Legislation

15.1. Safety, health and environmental requirements/legislation specific to the substance or mixture**EU rules**

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

15.2 Chemical safety assessment

A chemical safety assessment was not carried out.

SECTION 16: Other information

Additional information

The information provided in this safety data sheet is intended to describe the product with regard to the necessary safety precautions. They do not serve to guarantee certain characteristics and are based on the current state of our knowledge.