

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name: Zink Bacitracin 15% feed grade**
- **Art.-No.** 5727990000
- **Application of the substance / the preparation**
- **Manufacturer/Supplier:**
Biesterfeld International GmbH
Ferdinandstr. 41
D-20095 Hamburg
Germany
- **Further information obtainable from:**
For Chap. 13 Disposal consideration and Chap. 14 Transport information

T&E Gefahrgutlogistik S.A.
Luxembourg
Tel: +352-267166-0
Fax: +352-267166-19
Mail: info@te-gefahrenlogistik.com

- **Information in case of emergency:**
24h-Hotline: Giftinformationszentrum - Nord
Zentrum für Pharmakologie und Toxikologie
der Universität Göttingen
D-37075 Göttingen
H O T L I N E: +49/551-19240

IN CASE OF RELEASE OF THE PRODUCT BY ACCIDENTS OR ENDANGERMENT TO THE ENVIRONMENT EACH LOCAL FIRE DEPARTMENT CAN GIVE FURTHER INFORMATION!

2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements** Void

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**
CAS: 1405-89-6 Bacitracin zinc 15%
EINECS: 215-787-8
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

- **General information:** No special measures required.
- **After inhalation:**
Take affected persons into fresh air and keep quiet.
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Instantly remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes (10-15) under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.
- **Information for doctor:**
- **The following symptoms may occur:**
Gastric or intestinal disorders
Eyes, skin and mucous membrane provoking.
Coughing
- **Treatment** Symptomatically and supporting

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective clothing.
- **Measures for environmental protection:**
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

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- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
Send for recovery or disposal in suitable receptacles.
- **Additional information:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Keep receptacles tightly sealed.
Prevent formation of dust.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
- **Information about storage in one common storage facility:**
Only materials of the same storage class should be stored together. Storing together with the following materials is forbidden:
 - medicaments, food and feeds including additives.
 - infectious, radioactive and explosive materials.Storing together with materials of other storage classes is permitted partially only under certain conditions (to details see together storage concept of the VCI). The material should not be together-stored with materials, where dangerous chemical reactions are possible.
See for this Chap. 10: Stability and reactivity
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Protect from humidity and water.
This product is hygroscopic.
- **Recommended storage temperature:** < 4°C
- **Storage class:** VCI 10 - 13

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.

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- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Do not inhale dust / smoke / mist.
 - Avoid contact with the eyes and skin.
 - Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



Protective gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**

Information about suitable glove material is not present for us.
According to experience the glove materials are Polychloroprene, nitrile rubber, butyl rubber, Fluorocarbon rubber and polyvinyl chloride suitably to protect against not solved solids.
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**

Penetration time: > 480 min. (8h) EN 374
The numerical data are approx. values. Increased Temperatures by warmed up substances, body warmth, etc. and a reduction of the layer strength by stretching can lead to a decrease of the break-through time.
With a 1,5 times bigger / smaller layer-thickness the break-through time halves / doubles itself.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Not suitable are gloves made of the following materials:**
 - Leather gloves
 - Strong material gloves

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· **Eye protection:**



Tightly sealed goggles

· **Body protection:**

Protective work clothing

Protection clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

9 Physical and chemical properties

· **General Information**

Form: Granulate
Colour: Yellow-brown
Odour: Odourless

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

- **Flash point:** Not applicable.
- **Decomposition temperature:** > 250 °C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** Not determined.
- **Solubility in / Miscibility with water:** Soluble.

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.
To avoid thermal decomposition do not overheat.
moisture-sensitively

- **Decomposition starts at:** > 250 °C
- **Materials to be avoided:** Strong oxidizing agents
- **Dangerous reactions** Reacts with strong oxidizing agents.
- **Dangerous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
Sulphur oxides (SO_x)
Poisonous gases/vapours

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Irritant gases/vapours
Hydrogen

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11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritation possible
- **on the eye:** Irritation possible.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

In accordance with our knowledge the toxicological characteristics of this material are not yet sufficiently examined.

Dangerous characteristics can not be excluded, but if used adequate, less probable.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- **Additional ecological information:**
- **BOD5-value:**
- **Remark:** Quantitative data for the ecological effect of the product is not available at present.
- **General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
- **Waste disposal key:** The waste code is to be specified in arrangement with the regional disposer.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN "Model Regulation":** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.
- **Safety phrases:**
24/25 Avoid contact with skin and eyes.
28 After contact with skin, wash immediately with plenty of soap and water.
37 Wear suitable gloves.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
National and local regulations concerning chemicals shall be observed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:**
T&E Gefahrgutlogistik S.A.
Luxembourg
Tel: 00352-267166-0
Fax: 00352-267166-19
Mail: info@te-gefahrgutlogistik.com
- **Contact:** Abteilung DGR-Management
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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