

## 1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· Trade name **COXIBAN**

· **Article number:** 5285470000

· **Relevant identified uses of the substance or mixture and uses advised against**

· **Application of the substance / the preparation** Pharma Active ingredients

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

**SUPPLIER:**

Biesterfeld International GmbH

Ferdinandstr. 41

D-20095 Hamburg

Germany

· **Informing department:**

Dept. QSHE, Mr. P. Tentler, Phone: +49 2224981155; e-mail: sdb@biesterfeld.com

· **Emergency telephone number:**

Giftinformationszentrum - Nord

Zentrum für Pharmakologie und Toxikologie

der Universität Göttingen

Robert-Koch-Straße 40

37075 Göttingen

Germany

EMERGENCY NUMBER: +49 551 19240

## 2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R22: Harmful if swallowed.

· **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**

Salinomycin sodium salt

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- **Hazard statements**  
H302 Harmful if swallowed.
- **Precautionary statements**  
P260 Do not breathe dust.  
P281 Use personal protective equipment as required.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards:** Only for industrial use!
- **Results of PBT and vPvB assessment:** Not applicable.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture consisting of the following components with harmless additives.

· **Dangerous components:**

55721-31-8	Salinomycin sodium salt	T R25	~ 12%
		Acute Tox. 3, H301	

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **General information**  
Personal protection for the First Aider.  
Remove contaminated clothing.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation**  
Take affected persons into the open air and position comfortably  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
If unconscious, place in recovery position and seek medical advice.
- **After skin contact**  
Remove contaminated clothing.  
Wash off with plenty of water.  
Or better;  
Wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult Oculist.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting.  
Call for medical help.  
Turn a vomiting person on the side if lying on the back.  
If vomiting occurs, the head should be kept low.
- **Information for doctor:** The toxicological properties of this material have not been fully investigated.

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- **Most important symptoms and effects, both acute and delayed**  
A description of symptoms is not present at the moment.
- **Danger**  
Harmful if swallowed.  
Danger of disturbed CNS.  
There are at present no indications to further acute dangers for the health.  
Further health dangers cannot be excluded however.
- **Indication of any immediate medical attention and special treatment needed**  
Elemental assistance.  
Decontamination.  
Treat symptomatically and supportively.

## 5 Firefighting measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water fog. Fight larger fires with water fog or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with a full water jet.
- **Special hazards arising from the substance or mixture:**  
Formation of toxic gases is possible during heating or in case of fire.  
Can be released in case of fire:  
Carbon monoxide and carbon dioxide.  
Sodium oxides  
Dust explosion hazard!
- **Advice for firefighters:**
- **Protective equipment:**  
Wear self-contained breathing apparatus.  
Wear full protective suit.
- **Additional information:** Collect contaminated firefighting water separately. It must not enter drains.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear protective equipment. Keep unprotected persons away.  
Use breathing protection against the effects of fumes/dust/aerosol.  
Keep away from sources of ignition.  
Avoid causing dust.  
Ensure adequate ventilation  
Bring persons out of danger.
- **Environmental precautions:**  
Do not allow to enter sewage systems, water bodies, groundwater or soil.  
Inform respective authorities in case product reaches water, sewage system or soil.
- **Methods and material for containment and cleaning up:**  
Avoid causing dust.  
Ensure adequate ventilation.  
Collect mechanically.  
Clean up affected area.  
May be recycled or disposed of in appropriate containers  
Dispose of contaminated material as waste according to item 13.
- **Reference to other sections:**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

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See Section 13 for information on disposal.

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## 7 Handling and storage

- **Handling**
- **Precautions for safe handling**
- Keep containers tightly closed.  
Prevent formation of dust.  
Ensure good ventilation/exhaustion at the workplace.
- **Hygiene measures:**  
Keep away from foodstuffs, beverages and feed stuff.  
Instantly remove any soiled and impregnated garments.  
Store protective clothing separately.  
Wash hands during breaks and at the end of the work.  
Do not inhale dust / smoke / mist.  
Avoid contact with the eyes and skin.  
Do not eat, drink or smoke while working.
- **Information about protection against explosions and fires:**  
The product is practically non-combustible.  
Dust can combine with air to form an explosive mixture.  
Firefighting equipment must be available.  
Protect from heat.  
Avoid deposition of dust.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Store in cool location.  
Store in original container if possible.  
Provide floor trough without outlet.  
Prevent any penetration into the ground.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with materials/products which can form dangerous chemical reactions.  
See point 10: stability and reactivity.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well closed containers.  
Protect from heat and direct sunlight.  
Store container in a well-ventilated position.
- **Recommended storage temperature:** < +25°C
- **Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with critical 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 that were valid during the compilation were used as basis.

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- **Exposure controls**
- **Personal protective equipment**
- **General protective measures:**  
*Be sure to clean skin thoroughly after work and before breaks.  
The usual precautionary measures should be adhered to in handling the chemicals.*
- **Breathing equipment:**  
*If used in closed systems or well-ventilated area breathing protection is not necessary.  
Required when dusts are generated.*



*In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.*

*Filter P2.*

*or*

*Filter P3.*

- **Protection of hands:**



*Chemical-protective gloves*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Check protective gloves prior to each use for their proper condition.*

*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**

*No material can be recommended.*

*Experience says that polychloroprene, nitrile rubber, butyl rubber, fluoro-caoutchouc, and polyvinyl chloride are suitable as glove materials for protection against undissolved 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 cannot be calculated in advance and has therefore to be checked prior to the application.*

*ASK THE MANUFACTURER FOR SUITABLE MATERIAL.*

- **Penetration time of glove material**

*At the permeation time no data are present.*

*The penetration of the glove material is impossible with dry and not gassing solids.*

*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:**

*Strong gloves*

*Leather gloves*

- **Eye protection:**



*Safety glasses with side protection.*

- **Body protection:**

*Wear dust tight protective clothing.*

*Apron,*

*Boots*

*or*

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Suitable chemical protection suit.

Protective 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

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Granulate
Colour:	yellowish to brownish
Smell:	No description available.
Odour threshold:	No data available

· **pH-value:** No data available

· **Change in condition**

Melting point/Melting range:	No data available
Boiling point/Boiling range:	No data available

· **Flash point:** 625°C

· **Ignition temperature:** No data available

· **Decomposition temperature:** No data available

· **Danger of explosion:** Product does not present an explosion hazard.  
Dust explosion hazard!

· **Critical values for explosion:**

Lower:	No data available
Upper:	No data available

· **Steam pressure:** No data available

· **Vapour Density (air=1):** No data available

· **Density** No data available

· **Settled apparent density** No data available

· **Vapour density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

Water: Readily soluble

· **Segregation coefficient (n-octanol/water):** No data available

· **Viscosity:**

Dynamic:	Not applicable.
Kinematic:	Not applicable.

· **Solvent content:**

Organic solvents: 0,0 %

· **Other information** No further relevant information available.

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## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.  
Flames, sparks, electrostatic charges.
- **Possibility of hazardous reactions**  
The product is not capable of dust explosion in the form supplied; enrichment with fine dust causes risk of dust explosion.  
No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Can be released in case of fire:  
Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)  
Sodium oxide

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
Quantitative data on the toxicity of this product are not available.
- **Primary irritant effect:**
- **On the skin:** Results from bioassays are not available (irritation possible).
- **On the eye:** Results from bioassays are not available (irritation possible).
- **Sensitization:**  
Results from bioassays are not available.  
No sensitizing effect known.
- **Sub-acute to chronic toxicity:**  
No indication to reproduction-endangering effect.  
No indication of teratogenic activity.  
No indication of mutagenic activity.  
No indication of carcinogenic activity.  
IARC (International Agency for Research on Cancer)  
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.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Harmful if swallowed.  
The toxicological properties of this material have not been fully investigated.  
Further hazardous properties cannot be excluded.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No data available
- **Terrestrial toxicity:** No data available
- **Persistence and degradability** No data available
- **Behavior in environmental systems:**
- **Bio accumulative potential:** No data available

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- **Mobility in soil** No data available
- **Additional ecological information:**
- **AOX-indication:** The product does not contribute to the AOX value of the waste water.
- **General notes:**  
Quantitative data on the ecological effect of this product are not available.  
Do not allow product to reach ground water, water bodies, sewage system or soil.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.
- **European waste catalogue**  
A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. In agreement with the waste code must be determined regional waste disposal authority or company.
- **Uncleansed packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	-

### 15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 16 Other information

*These statements solely describe the safety demands of the product and base according to the best of our belief on our today's knowledge. They, however, do not represent any assurance towards properties of the product within the sense of liability, resp. guaranty regulations and thus are given without any obligation.*

· **Relevant phrases**

H301 Toxic if swallowed.

R25 Toxic if swallowed.

· **Department issuing data specification sheet:** Dept. QSHE

· **Contact:** Mr. Dr. Hollitzer, Tel: +49 4032008284; [mailto: sdb@biesterfeld.com](mailto:sdb@biesterfeld.com)

· **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 international 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

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

Lit.: Literature

· **Sources**

Information of distributor.

MSDS of different manufacturers.

euSDB - Search Index for Material Safety Data Sheets

<http://www.eusdb.de/>

Environmental Health and Toxicology National Library of Medicine TOXNET.

<http://sis.nlm.nih.gov/enviro.html>

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