

BLASTICIDIN Safety Data Sheet

Revised: 09.02.04
Replaces: 10.01.04

Date of printing:

09.02.04

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1. Name of substance/preparation and company

1.1 Commercial product: **Blasticidin**
Cat.-No.: ant-bl-1, ant-bl-5 (10mg/ml solution)
1.2 Company: CAYLA SAS- InvivoGen
5 rue Jean Rodier BP 4437
31 405 Toulouse Cedex 04 France
Tel. ++33 (0)5 62 71 69 39
Information obtainable from: ++33 (0)5 62 71 69 39
This product is for laboratory use only and is not intended for human or animal diagnostics, therapeutic or clinical uses

2. Composition/Information on constituents

The following list shows components of this product classified as hazardous based on physical properties and health effects
Blasticidin S, HCL, *Streptomyces griseochromogenes*, 10mg/ml classified as hazardous component as solid state
CAS-No.: 3513-03-9
EC number : 264-899-3
Molecular formula: C17O26N8O5 HCL
Molecular weight: 458.09

3. Hazards identification

Warnings: The usual precautions taken when handling chemicals should be observed.

BLASTICIDIN S powder is an hazardous compound,

CAUTION: may be fatal if swallowed

- Eyes: May cause irritation.
- Skin: Can cause skin irritation, not likely to cause permanent damage.
- Inhalation: Can cause respiratory irritation.
- Ingestion: may be fatal if swallowed

Chronic effects:

- target organs: pancreas, liver, kidney

Target organ Data:

- target organs: pancreas, liver, kidney

See RTCES for complete information

4. First aid measures

First aid:

Eye contact: Wash immediately eyes with plenty of water for at least 15 minutes. Get medical attention;

Skin contact: Wash off with plenty of water and soap, remove contaminated clothes. Get medical attention

Ingestion: Extremely hazardous, give plenty of water if conscious. If vomiting occurs naturally, wash mouth out. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention if symptoms develop.

Inhalation: Remove victim to fresh air, if malaise develops go to a physician, if breathing is difficult give oxygen.

Instructions for symptomatic treatment by a physician: Treat symptomatically

Repeated exposure to a highly toxic material may produce general deterioration of health.

5. Fire-fighting measures

Flash point Degree : Not available

Upper flammable limit %: Not available

Lower flammable limit %: Not available

Autoignition temperature degree: Not available

Extinguishing media: Use alcohol or resistant foam, carbon dioxide or dry chemical fighting fire.

Hazardous combustion products: toxic fumes of carbon dioxide, carbon monoxide, nitrogen oxides dense smoke

6. Accidental release measures

Refer to section 8 for personal protection equipment recommendations.

After spillage: Use appropriate tools to put the spilled solution in a convenient waste disposal container.

Absorbent material: suitable absorbent material.

Damage limitation: Special measures to limit damage are to be taken.

7. Handling and storage

Storage of some material could be regulated by federal, state, and/or local laws.

7.1 Handling: toxic material. Avoid contacting and breathing the material.

Use only in a ventilated area. Keep away from sources of ignition; wear protective clothes

7.2 Storage: Store in a cool place at ambient pressure, and in suitable storage area.

Hydrophilic material; Keep tightly closed when not in use

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8. Exposure controls- personal protection

Engineering controls : local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory protection: wear protective respiratory mask

Eye protection: use protective glasses

Hand protection: wear protective compatible resistant gloves

Hygiene: Wash hands before breaks and at the end of the work.

9. Physical and chemical properties

Physical state: solution

Colour: colorless

Odour: none

PH: N.A.

Boiling point: no data

Melting point:

Solubility in water: soluble

Density :

Viscosity: not determined

10. Stability and reactivity

Stability : stable under normal conditions

Conditions to avoid : heat, strong oxidising agents

Reactions: Not known when used appropriately.

Hazardous decomposition products : Carbon monoxide, Carbon dioxide. Nitrogen oxides

Hazardous polymerisation: will not occur

11. Toxicological information

LD50 oral/ingestion not known

LD50 dermal not known

LD50 inhalation/respiratory not known

Toxicological information: Intoxication has so far not become known.

See actual entry in RTECS n° EC4900000 for complete toxicological informations.

12. Ecological information

Ecotoxicity: not available

Environmental fate: Bioconcentration is not expected to occur. products of degradation are less toxic than the product itself.

13. Disposal considerations

Regulatory information: not applicable

Waste disposal route: Can be sent to an incineration plant in accordance with all state, federal, local regulations.

Clean up and dispose of waste in accordance with all state, federal, local regulations.

14. Transport information

UN number

UN2811

ICAO/IATA:	
Proper Shipping Name:	Blasticidin S
Notes:	product subject to current regulations for transportation of hazardous goods only as solid state (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).
Hazard class	No hazardous component in solution

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15. Regulatory Information	
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Notes:	This product must be labelled in accordance with EEC regulation on product class 6.1 if it is sent at solid state, Hazard symbol irritant Xi, nocif Xn.
R26/27	Toxic if swallowed or inhaled
R36/37/38	Irritant to eyes/skin/ respiratory tract
S36/37/39	Wear protective clothing, respiratory mask, gloves and eyes protection
S45	In case of accident or if you fell unwell, seek medical advice immediately.

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16. Other information	
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	The information herein is believed to be correct as of the date hereof, but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed.
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