

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

LEXSY Hygro

sterile ready-to-go stock solution

Hygromycin B

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: LEXSY Hygro (Hygromycin)
Catalog Number: AB-104S;AB-104L
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2. HAZARDS IDENTIFICATION

GHS classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 3), H301
Acute toxicity, Dermal (Category 3), H311
Serious eye damage (Category 1), H318
Respiratory sensitization (Category 1), H334

GHS Label elements



Pictogram:

Signal word: Danger

Hazard statements

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H318 Causes serious eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

P264 Wash hands thoroughly after handling
P280 Wear protective gloves / protective clothing / eye protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Additional information

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


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Laboratory chemicals must be handled only by qualified personnel and with precaution.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:	Antihelmycin, Hygromix 2.4, Hygromix-8, Hygrovetine, O-6-Amino-6 -deoxy-L-glycero-D-galacto-heptopyranosylidene-(1?2-3)-O-?-D-talopyranosyl-(1?5)-2-deoxy-N3-methyl-D-streptamine
Formula:	$C_{20}H_{37}N_3O_{13}$
Molecular Weight:	527.52 g/mol
CAS-No.:	31282-04-9
EC number:	250-545-5
Classification:	Acute Tox. 2, H300  Acute Tox. 2, H310  Acute Tox. 1, H330  Eye
Concentration:	10 % w/v

4. FIRST AID MEASURES

General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

After skin contact

Immediately wash skin with soap and plenty of water. Consult a physician.

After swallowing

Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

After inhalation

Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

After eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Specific hazards arising from the chemical

Hazardous decomposition products formed under fire conditions, carbon oxides, nitrogen oxides and hydrogen chloride gas.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

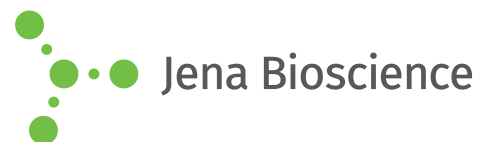
Personal precautions

Wear protective equipment. Keep unprotected persons away. Avoid dust or aerosol formation. Wash contaminated clothing before reuse.

Environmental precautions

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Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

7. HANDLING AND STORAGE

Handling

Avoid formation of aerosols and contact with eyes, skin and clothing.

User Exposure

Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apr.).

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: Store at -20 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ensure adequate ventilation and cleanable resistant tightly sealed working surfaces.

Respiratory protection

Required if aerosols can be formed.

Eye protection

Wear chemical safety goggles to prevent eye contact.

Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

General Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: liquid

Safety data

pH: 7.0
Melting point: no data available
Boiling point: 100 °C

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Flash point: no data available
Ignition temperature: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available
Water solubility: soluble at 500 mg/ml

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions at -20°C (12 months at 4°C, 3 months at 20°C, one month at 37°C)

Possibility of hazardous reactions

No data available

Conditions to avoid

High concentrations of acids or bases, strong oxidizing agents

Incompatible materials

Strong oxidizing agents, strong bases

Hazardous decomposition products

No data available

Hazardous Polymerization

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 intraperitoneal: 63 mg/kg (rat), 13 mg/kg (guinea pig)

LD50 intravenous: 6 mg/kg (mouse)

LD50 oral: 46 mg/kg (mouse)

LC50 inhalation: No data available

LD50 dermal: 55 mg/kg (guinea pig)

Signs / Symptoms of exposure

Repeated exposure can cause hearing loss. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Symptoms of exposure include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Exposure can cause Conjunctivitis, Dermatitis.

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Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

Strong sensitizer, Respiratory: May cause allergic respiratory reaction,
Skin: May cause allergic skin reaction.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Additional information

RTECS:WK2130000

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. The material for disposal should be mixed with, or dissolved in, a combustible solvent and burnt in a chemical incinerator equipped with an afterburner scrubber. Must not be disposed of together with household garbage.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

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14.1 UN number

ADR/RID	2810
DOT(US)	2810
IMDG	2810
IATA	2810

14.2 UN proper shipping name

ADR/RID	Giftiger Organischer Flüssiger Stoff, n.a.g. (Hygromycin B)
DOT(US)	Toxic, liquids, organic, n.o.s.. (Hygromycin B)
IMDG	Toxic, liquids, organic, n.o.s. (Hygromycin B)
IATA	Toxic, liquids, organic, n.o.s. (Hygromycin B)
Passenger Aircraft	Not permitted for transport

14.3 Transport hazard class(es)

ADR/RID	6.1
DOT(US)	6.1
IMDG	6.1
IATA	6.1

14.4 Packaging group

ADR/RID	II
DOT(US)	II
IMDG	II
IATA	II

14.5 Environmental hazards

ADR/RID	Nein
DOT(US)	Marine pollutant: No, Poison Inhalation Hazard: No
IMDG	Marine pollutant: No
IATA	No

14.6 Special precautions for user

No data available.

15. REGULATORY INFORMATION

OSHA Hazards

Highly toxic by inhalation, ingestion or skin absorption. Risk of serious damage to eyes. Respiratory sensitizer. Target organ effect. Target organs: Ears.

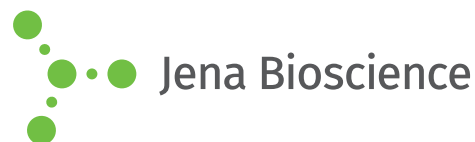
SARA 302 Component

None of the ingredients are listed.

SARA 313 Component

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None of the ingredients are listed.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

No data available

16. OTHER INFORMATION

Further information

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