

1: Identification of substance / mixture

1. Product Identifier

Substance

Product Name **HYGROMYCIN B POWDER**
Product Code H75020
CAS Number 31282-04-9
Other Names H75020
IUPAC
MFCN Number
EC/EINECS
REACH Number Index-No

2. Relevant identified uses of the substance or mixture and uses advised against

For research and laboratory use only

3. Details of the supplier of the safety data sheet

Melford Laboratories Ltd
Bildeston Road, Chelsworth
Ipswich
Suffolk
IP77LE
UK



Telephone: 01449 741178
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4. Emergency telephone number

+44(0)1449 741178 -

2. Hazards Identification

1. Classification of the substance or mixture

H300	Acute Tox. 2	
H310	Acute Tox. 1	
H318	Eye Dam. 1	
H330	Acute Tox. 2	
H334	Resp. Sens. 1	

2. Label elements

Signal Word **Danger**



Hazard Statements

H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Phrases

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

3. Composition / Information on Ingredients

1. Substances

Product Name	Hazards	Concentration
HYGROMYCIN B POWDER		
CAS Number: 31282-04-9	H300, H310, H318, H330, H334 Acute Tox. 1, Acute Tox. 2, Eye Dam. 1, Resp. Sens. 1	<=100%

4. First Aid Measures

1. Description of first aid measures

<i>Skin Contact</i>	P302 + P350: IF ON SKIN: Gently wash with plenty of soap and water. Wash off with soap and plenty of water. Consult a physician.
<i>Eye Contact</i>	Bathe the eye with running water for 15 minutes. Consult a doctor.
<i>Ingestion</i>	P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<i>Inhalation</i>	P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathed in, move person into fresh air. If not breathing, give artificial respiration. If unconscious and breathing is OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a physician.

2. Most important symptoms and effects

The most important known symptoms and effects are described in section 11

3. Indication of any immediate medical attention

No data available

Notes to Physician: Treat symptomatically

5. Firefighting measures

1. Extinguishing Media

Suitable Water spray.
Alcohol resistant foam.
Dry chemical powder.
Carbon dioxide.

Unsuitable no data available

2. Special Hazards arising from the substance or mixture

In combustion emits toxic fumes:
Carbon oxides, nitrogen oxides (NOx)

3. Advice for Fire Fighters

Wear self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

1. Personal Precautions

Refer to section 8 of SDS for personal protection details.
Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust

2. Environmental Precautions

Do not discharge into drains or rivers.

3. Methods & Materials

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

4. Preventing the occurrence of secondary hazards.

Clean up all spills immediately. Wear suitable PPE.

7. Handling and Storage

1. Personal Precautions

<i>Safe Handling</i>	Ensure there is exhaust ventilation of the area. Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
<i>Protection against explosions and fires</i>	Normal measures for preventive fire protection.

2. Conditions for safe storage, including any incompatibilities

<i>Managing Storage Risks</i>	Store cold 2-8° C.
<i>Storage Controls</i>	No special requirements
<i>Maintaining Integrity</i>	No data available
<i>Other advice</i>	no further information available

3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

1. Control Parameters

No Data Available

2. Exposure Controls

<i>General protective and hygiene measures</i>	P280: Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin and eyes. The standard precautionary measures should be adhered to when handling
<i>Engineering measures</i>	Ensure there is exhaust ventilation of the area.
<i>Eye / Face Protection</i>	Safety Goggles. Face-shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
<i>Hand protection</i>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it
<i>Respiratory protection</i>	P260: Do not breathe dust/fume/gas/mist/vapours/spray. P284: Wear respiratory protection. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<i>Skin protection</i>	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.
<i>Other personal protection advice</i>	no data available

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance	White to Beige powder
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Odour	No Data Available
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

2. Other Information

No additional information available

10. Stability and Reactivity

1. Reactivity

No data available

2. Stability

Stable under recommended transport and storage conditions

3. Possibility of Hazardous Reactions

No data available

4. Conditions to Avoid

No data available

5. Incompatible Materials

Strong oxidizing agents.
 Strong acids.
 Organic materials.

6. Hazardous Decomposition Products

In combustion emits toxic fumes:
 Carbon oxides, nitrogen oxides (NO_x)

11. Toxicology information

1. Information

<i>Acute Toxicity</i>	LC50 Oral-rat-13mg/kg LC50 Inhalation-rat-4h-2.22mg/l Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation. Behavioral:Aggression. LD50 Dermal-guinea pig-55 mg/kg LD50 Intraperitoneal-rat-63 mg/kg LD50 Intravenous-mouse-6 mg/kg LD50 Intraperitoneal-guinea pig-13 mg/kg
<i>Skin corrosion/irritation</i>	no data available
<i>Serious eye Damage/irritation</i>	no data available

<i>Respiratory or skin sensitisation</i>	no data available
<i>Germ Cell mutagenicity</i>	no data available
<i>Carcinogenicity</i>	IARC: 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.
<i>Reproductive toxicity</i>	no data available
<i>STOT-single exposure</i>	no data available
<i>STOT-repeated exposure</i>	no data available
<i>Aspiration hazard</i>	no data available

2. Additional

RTECS:WK2130000

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting., Conjunctivitis., Dermatitis, Loss of hearing

12. Ecological Information

1. Toxicity

No information available

2. Persistence and degradability

No information available

3. Bio-Accumulative Potential

No information available

4. Mobility and Soil

No information available

5. Results of PBT & vPvB assessment

No information available

6. Other adverse effects

May be harmful to the aquatic environment

13. Disposal Considerations

1. Waste Treatment Methods

Disposal Operations Hand over to authorised disposal company as hazardous waste.

Disposal of Packaging Dispose of as unused product.

14. Transport Information

Air (ICAO)


- UN Number:** 3462
- Shipping Name:** TOXINS EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.
- Transport hazard class(es):** : 6.1 Sub Class :




- Packing group:** III
- Environmental hazards:**
- Special Precautions for user:**

7. Transport in bulk:

Road (ADR)

1. **UN Number:** 3462
 2. **Shipping Name:** TOXINS EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S (HYGROMYCIN B POWDER).
 3. **Transport hazard class(es):** : 6 Sub Class :
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4. **Packing group:** III
 5. **Environmental hazards:**
 6. **Special Precautions for user:**
 7. **Transport in bulk:**

Sea (IMDG)

1. **UN Number:** 3462
 2. **Shipping Name:** TOXINS EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.
 3. **Transport hazard class(es):** : 6.1 Sub Class :
- 
4. **Packing group:** III
 5. **Environmental hazards:**
 6. **Special Precautions for user:**
 7. **Transport in bulk:** IBCINS: IBC08
IBCPPOV: B3
TANKPROV: TP33

15. Safety, health, environmental and national regulations

1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

This safety data sheet complies to the requirements of Regulation (EC) No. 1907/2006
ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)
RID:Reglement 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
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association
ICAO:International Civil Aviation Organization
ICAO-TI: Technical Instructions by the ICAO
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS:Chemical Abstracts Service

3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text