

## 1: Identification of substance / mixture

### 1. Product Identifier

### Substance

Product Name **STREPTOMYCIN SULPHATE**  
Product Code S62000  
CAS Number 3810-74-0  
Other Names  
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  
Fax: 01449 741217  
Email: support@melford.co.uk



### 4. Emergency telephone number

+44(0)1449 741178 -

## 2. Hazards Identification

### 1. Classification of the substance or mixture

H315	Skin Irrit. 2	
H317	Skin Sens. 1A	
H319	Eye Irrit. 2	
H334	Resp. Sens. 1	
H335	STOT SE 3	
H361	Repr. 2	

### 2. Label elements

Signal Word **Danger**



### Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child ..

### Precautionary Phrases

Non Hazardous

### 3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

## 3. Composition / Information on Ingredients

### 1. Substances

Product Name	Hazards	Concentration
STREPTOMYCIN SULPHATE		
CAS Number: 3810-74-0	H315, H317, H319, H334, H335, H361 Eye Irrit. 2, Repr. 2, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1A, STOT SE 3	<=100%

## 4. First Aid Measures

### 1. Description of first aid measures

<i>Skin Contact</i>	Wash immediately with plenty of soap and water. Consult a doctor.
<i>Eye Contact</i>	Bathe the eye with running water for 15 minutes. Ensure adequate flushing by separating the eyelids with fingers  Consult a doctor.
<i>Ingestion</i>	Wash out mouth with water. Consult a doctor.
<i>Inhalation</i>	Move to fresh air in case of accidental inhalation. If not breathing, give artificial respiration. Consult a doctor.

### 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.

## 5. Firefighting measures

### 1. Extinguishing Media

<i>Suitable</i>	Carbon dioxide. Alcohol or polymer foam. Carbon dioxide.
<i>Unsuitable</i>	No data available

### 2. Special Hazards arising from the substance or mixture

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

### 3. Advice for Fire Fighters

Wear self-contained breathing apparatus.

## 6. Accidental Release Measures

### 1. Personal Precautions

Use personal protective equipment. Avoid dust formation. 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

Sweep up and shovel. Do not create dust. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

### 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>	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
<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>	Keep container tightly closed.
<i>Storage Controls</i>	Store at 2-8° C.
<i>Maintaining Integrity</i>	No special requirements
<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>	The standard precautionary measures should be adhered to when handling Avoid contact with skin and eyes Wash hands during breaks and at the end of handling the material
<i>Engineering measures</i>	Provide appropriate exhaust ventilation at places where dust is formed.
<i>Eye / Face Protection</i>	Safety Glasses with side-shields. 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>	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	Powder
Odour	No Data Available
Odour threshold	No Data Available
PH	4.7-7.0
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):	soluble in water
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

No data available

### 3. Possibility of Hazardous Reactions

No data available

### 4. Conditions to Avoid

No data available

### 5. Incompatible Materials

Strong oxidizing agents.

### 6. Hazardous Decomposition Products

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

## 11. Toxicology information

### 1. Information

<i>Acute Toxicity</i>	LD50 Oral-Rat-430 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>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
<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>	Suspected human reproductive toxicant
<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:WK4990000

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

Liver-Irregularities-Based on Human Evidence

## 12. Ecological Information

### 1. Toxicity

Toxicity to fish

LC50-Oncorhynchus mykiss (rainbow trout)-> 180 mg/l-96 h

Toxicity to daphnia and other aquatic invertebrates

EC50-Daphnia magna (Water flea)-650 mg/l-48 h

### 2. Persistence and degradability

No data available

### 3. Bio-Accumulative Potential

No data available

### 4. Mobility and Soil

No data available

### 5. Results of PBT & vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 6. Other adverse effects

No data available

## 13. Disposal Considerations

### 1. Waste Treatment Methods

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

*Disposal of Packaging* Disposal must be made according to official regulations.

## 14. Transport Information

### Air (ICAO)

Not classified as hazardous for transport

### Road (ADR)

Not classified as hazardous for transport

### Sea (IMDG)

Not classified as hazardous for transport

## 15. Safety, health, environmental and national regulations

### 1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

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### 2. Safety Assessment

No Chemical Safety Assessment

## 16. Other Information

### 1. Other Information:

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

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### 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.