

## 1 Identification

### Product identifier

**Product name:** Tobramycin

**Stock number:** J66040

**CAS Number:**

32986-56-4

**EC number:**

251-322-5

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

**Identified use:** SU24 Scientific research and development

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Alfa Aesar

Thermo Fisher Scientific Chemicals, Inc.

30 Bond Street

Ward Hill, MA 01835-8099

Tel: 800-343-0660

Fax: 800-322-4757

Email: tech@alfa.com

www.alfa.com

**Information Department:** Health, Safety and Environmental Department

**Emergency telephone number:**

During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.

## 2 Hazard(s) identification

**Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)**

The substance is not classified as hazardous according to 29 CFR 1910 (OSHA HCS).

**Hazards not otherwise classified** No information known.

### Label elements

**GHS label elements** Not applicable

**Hazard pictograms** Not applicable

**Signal word** Not applicable

**Hazard statements** Not applicable

**WHMIS classification** Not controlled

**Classification system**

**HMIS ratings (scale 0-4)**

**(Hazardous Materials Identification System)**

**HEALTH** 1 Health (acute effects) = 1

**FIRE** 1 Flammability = 1

**REACTIVITY** 1 Physical Hazard = 1

### Other hazards

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3 Composition/information on ingredients

**Chemical characterization:** Substances

**CAS# Description:**

32986-56-4 O-[3-Amino-3-deoxy- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 6)]-O-[2,6-diamino-2,3,6-trideoxy- $\alpha$ -D-ribohexopyranosyl-(1 $\rightarrow$ 4)]-2-deoxy-D-streptamine

**Identification number(s):**

**EC number:** 251-322-5

## 4 First-aid measures

### Description of first aid measures

#### After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

#### After skin contact

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

**After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing** Seek medical treatment.

### Information for doctor

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

**Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## 5 Fire-fighting measures

### Extinguishing media

**Suitable extinguishing agents** Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

### Advice for firefighters

#### Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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See Section 13 for disposal information.

**Specific end use(s)** No further relevant information available.

**Body protection:** Protective work clothing.

**Odor threshold:** Odorless  
Not determined.

**pH-value:** *Not applicable.*

### Other information

**Possibility of hazardous reactions** Reacts with strong oxidizing agents

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Product name: <b>Tobramycin</b>	
<div>Conditions to avoid No further relevant information available.</div> <div>Incompatible materials:<div>Oxidizing agents</div><div>Heat</div></div> <div>Hazardous decomposition products:<div>Carbon monoxide and carbon dioxide</div><div>Nitrogen oxides</div></div>	(Contd. of page 2)
<b>11 Toxicological information</b>	
<div>Information on toxicological effects</div> <div>Acute toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance.</div> <div>LD/LC50 values that are relevant for classification:<div>OralLD50&gt;7500 mg/kg (rat)</div></div> <div>Skin irritation or corrosion: May cause irritation</div> <div>Eye irritation or corrosion: May cause irritation</div> <div>Sensitization: No sensitizing effects known.</div> <div>Germ cell mutagenicity: No effects known.</div> <div>Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.</div> <div>Reproductive toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for this substance.</div> <div>Specific target organ system toxicity - repeated exposure: No effects known.</div> <div>Specific target organ system toxicity - single exposure: No effects known.</div> <div>Aspiration hazard: No effects known.</div> <div>Subacute to chronic toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance.</div> <div>Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.</div> <div>Carcinogenic categories</div> <div>OSHA-Ca (Occupational Safety &amp; Health Administration) Substance is not listed.</div>	
<b>12 Ecological information</b>	
<div>Toxicity</div> <div>Aquatic toxicity: No further relevant information available.</div> <div>Persistence and degradability No further relevant information available.</div> <div>Bioaccumulative potential No further relevant information available.</div> <div>Mobility in soil No further relevant information available.</div> <div>Additional ecological information:</div> <div>General notes:<div>Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.</div><div>Avoid transfer into the environment.</div></div> <div>Results of PBT and vPvB assessment</div> <div>PBT: Not applicable.</div> <div>vPvB: Not applicable.</div> <div>Other adverse effects No further relevant information available.</div>	
<b>13 Disposal considerations</b>	
<div>Waste treatment methods</div> <div>Recommendation Consult state, local or national regulations to ensure proper disposal.</div> <div>Uncleaned packagings:</div> <div>Recommendation: Disposal must be made according to official regulations.</div> <div>Recommended cleansing agent: Water, if necessary with cleansing agents.</div>	
<b>14 Transport information</b>	
UN-Number	
DOT, ADN, IMDG, IATA	Not applicable
UN proper shipping name	
DOT, ADN, IMDG, IATA	Not applicable
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA	
Class	Not applicable
Packing group	
DOT, IMDG, IATA	Not applicable
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	-
<b>15 Regulatory information</b>	
<div>Safety, health and environmental regulations/legislation specific for the substance or mixture</div> <div>GHS label elements Not applicable</div> <div>Hazard pictograms Not applicable</div> <div>Signal word Not applicable</div> <div>Hazard statements Not applicable</div> <div>National regulations</div> <div>All components of this product are listed on the Canadian Domestic Substances List (DSL).</div> <div>This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes.</div> <div>SARA Section 313 (specific toxic chemical listings) Substance is not listed.</div> <div>California Proposition 65</div> <div>Prop 65 - Chemicals known to cause cancer Substance is not listed.</div> <div>Prop 65 - Developmental toxicity Substance is not listed.</div>	
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Product name: Tobramycin	
<div>Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.</div>	(Contd. of page 3)

16 Other information	<div>Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information 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.</div> <div>Department issuing SDS: Global Marketing Department Date of preparation / last revision 06/01/2016 / - 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) DOT: US Department of Transportation EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)</div>	USA
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