

# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2021

Date Updated: April 01, 2021

#### SECTION 1. - - - - - PRODUCT AND COMPANY IDENTIFICATION - - - - - -

Product Name Tobramycin
Product Code(s) TB0955

Recommended Use For Laboratory Research Use Only

Not for Human or Animal Drug Use

**Supplier** Bio Basic Inc.

Address 20 Konrad Crescent, Markham, Ontario,

Canada, L3R 8T4

 Telephone
 (905) 474 4493

 Fax
 (905) 474 5794

 For Chemical Emergency Phone#
 (416) 995 9730

# SECTION 2. ----- HAZARDS IDENTIFICATION -----

# GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Reproductive toxicity (Category 2), H361

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)

H361 Suspected of damaging fertility or the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and

understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face

protection.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal

plant.

# Hazards not otherwise classified (HNOC) or not covered by GHS

- none

# SECTION 3. ---- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Tobramycin	251-322-5	32986-56-4	<100

#### SECTION 4. ----- FIRST-AID MEASURES-----

#### General advice

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

#### If inhaled

After inhalation: fresh air. Call in physician.

#### In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Consult a physician.

#### In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

#### If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

# Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

# Indication of any immediate medical attention and special treatment needed

No data available

# SECTION 5. ----- FIRE FIGHTING MEASURES -----

#### Suitable extinguishing media

Water Foam Carbon dioxide (CO2) Dry powder

#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

#### Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx)

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

#### Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

#### **Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

# SECTION 6. ---- ACCIDENTAL RELEASE MEASURES-----

# Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

#### **Environmental precautions**

Do not let product enter drains.

#### Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

#### Reference to other sections

For disposal see section 13.

#### SECTION 7. ----- HANDLING AND STORAGE-----

# Precautions for safe handling

For precautions see section 2.

#### Conditions for safe storage, including any incompatibilities

Tightly closed. Dry. Keep locked up or in an area accessible only to qualified or authorized persons.

Recommended storage temperature 2 - 8 °C Storage class (TRGS 510): 11: Combustible Solids

#### Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated

#### SECTION 8. - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - -

#### **Exposure controls**

# Appropriate engineering controls

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

#### Personal protective equipment

# Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

#### Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:KCL 741

Dermatril® L

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Splash contact Material:

Nitrile rubber

Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:KCL 741

Dermatril® L

#### **Body Protection**

protective clothing

# Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

#### Control of environmental exposure

Do not let product enter drains.

#### SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

#### Information on basic physical and chemical properties

a)	Appearance	Form: solid
b)	Odor	No data available
c)	Odor Threshold	No data available

d) pH No data availablee) Melting No data available

point/freezing point

f) Initial boiling point No data available and boiling range

g) Flash point No data available
h) Evaporation rate No data available
i) Flammability (solid, gas)
i) No data available

j) Upper/lower No data available flammability or explosive limits

k) Vapor pressure No data available
 l) Vapor density No data available
 m) Relative density No data available
 n) Water solubility No data available

o) Partition coefficient: No data available n-octanol/water

p) Autoignition No data available temperature

q) Decomposition temperature

No data available

r) Viscosity No data available
 s) Explosive properties No data available
 t) Oxidizing properties No data available

# Other safety information

No data available

# SECTION 10. ------STABILITY AND REACTIVITY -----

# Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

# **Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature).

#### Possibility of hazardous reactions

No data available

#### Conditions to avoid no

information available

#### Incompatible materials

Strong oxidizing agents

#### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

Other decomposition products - No data available In the

event of fire: see section 5

# SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

#### **Acute toxicity**

LD50 Oral - Rat - > 7,500 mg/kg

Remarks: (Lit.)

Inhalation: No data available Dermal:

No data available

TDLo i.v. - Humans - male - 37.714 mg/kg

# Skin corrosion/irritation

No data available

# Serious eye damage/eye irritation

No data available

# Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

# Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is

identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

No data available

Suspected of damaging fertility.

# Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

# **Aspiration hazard**

No data available

#### **Additional Information**

RTECS: WK2100000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

# SECTION 12. ----- ECOLOGICAL INFORMATION -----

# **Toxicity**

No data available

#### Persistence and degradability

No data available

# **Bioaccumulative potential**

No data available

#### Mobility in soil

No data available

#### Results of PBT and vPvB assessment

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

#### Other adverse effects

No data available

#### SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

#### **Product**

Waste material must be disposed of in accordance with the national and loc No mixing with other waste. Handle uncleaned containers like the product See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

#### SECTION 14. ----- TRANSPORT INFORMATION -----

#### DOT (US)

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

#### SECTION 15. ----- REGULATORY INFORMATION -----

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

# SECTION 16. ----- OTHER INFORMATION-----

Further information: no limited for paper copy, just for internal uses.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

# Disclaimer

The information provided on this MSDS 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.

Issuing Date: 01-Apr-2021

# **End of SDS**



# Bio Basic Inc.

# **CERTIFICATE OF ANALYSIS**

Product	Tobramycin
Grade	USP (36)
Product Code	TB0955
Formula	$C_{18}H_{37}N_5 O_9$
MW	467.51
CAS#	32986-56-4
Lot No	

Test Items	Specifications	Results
Appearance	White to off-white powder	
Identification	Conforms to the standard	
pН	9-11	
Water	≤8.0%	
Residue of Ignition	≤1.0%	
Heavy Metals	≤0.003%	
TLC Chromatographic	≤1.0%	
Assay (on anhydrous basis)	≥900ug/mg	

Storage: 4°C