

Tosufloxacin tosylate, reference material
R1251-25MG

Version 1.0

Issuing date 10/17/2018

Revision Date 11/22/2018

Print Date 08/07/2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : Tosufloxacin tosylate, reference material

Number : 000000017589

Recommended use of the chemical and restrictions on use : Reference Standard, Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH
Wunstorfer Straße 40
Seelze, 30926

For further information, please contact: : 1-800-368-0050
+1-231-726-3171
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
: **In Japan: +(81)-345209637**
: (24 hours/day, 7 days/week)

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

GHS Label elements, including precautionary statements

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

3. COMPOSITION/INFORMATION ON INGREDIENTSFormula : C₂₆H₂₃F₃N₄O₆S

Chemical nature : Substance

| Chemical name | CAS-No. | Concentration |
|-----------------------|-------------|---------------|
| Tosufloxacin Tosylate | 115964-29-9 | <=100.00 % |
| Tosufloxacin Tosylate | | |

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Note: none

4. FIRST AID MEASURES

- General advice : First aider needs to protect himself.
Move out of dangerous area.
Take off all contaminated clothing immediately.
- Inhalation : Remove to fresh air.
If respiratory problems develop, obtain medical attention.
- Skin contact : After contact with skin, wash immediately with plenty of water.
If skin irritation persists, call a physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.
- Ingestion : Rinse mouth with water.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Hydrogen fluoride
Sulphur oxides
carbon oxides (CO, CO₂), nitrogen oxides (NO_x).
- Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.
Wear personal protective equipment. Unprotected persons must be kept away.
Ensure adequate ventilation.
Avoid dust formation.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.
Sweep up and shovel into suitable containers for disposal.
Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE**Handling**

- Precautions for safe handling : Wear personal protective equipment.
Use only in well-ventilated areas.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

- Conditions for safe storage, including any incompatibilities : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

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| | |
|--------------------------|--|
| Hand protection | : Protective gloves Gloves must be inspected prior to use. Replace when worn. |
| Eye protection | : Safety glasses |
| Skin and body protection | : Wear suitable protective equipment. Wear as appropriate: Protective suit |
| Hygiene measures | : General industrial hygiene practice. |
| Protective measures | : Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. Avoid breathing dust. Avoid contact with skin, eyes and clothing. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|---------------------------|
| Physical state | : Crystalline powder |
| Colour | : white to off-white |
| Odour | : no data available |
| pH | : Note: no data available |
| Melting point/range | : 250 - 255 °C |
| Boiling point/boiling range | : Note: no data available |
| Flash point | : Note: Not applicable |
| Evaporation rate | : Note: no data available |
| Flammability | : no data available |
| Lower explosion limit | : Note: no data available |

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| | |
|--|---|
| Upper explosion limit | : Note: no data available |
| Vapour pressure | : Note: no data available |
| Vapour density | : Note: no data available |
| Density | : Note: no data available |
| Water solubility | : Note: no data available |
| Partition coefficient: n-octanol/water | : Note: no data available |
| Ignition temperature | : Note: no data available |
| Decomposition temperature | : Note: No decomposition if stored and applied as directed. |
| Viscosity, dynamic | : Note: no data available |
| Viscosity, kinematic | : Note: no data available |
| Molecular weight | : 576.54 g/mol |

10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Chemical stability | : Stable under recommended storage conditions. |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | : None known. |
| Incompatible materials to avoid | : Strong oxidizing agents |
| Hazardous decomposition products | : In case of fire hazardous decomposition products may be produced such as: Hydrogen fluoride Sulphur oxides carbon oxides (CO, CO ₂) and nitrogen oxides (NO _x). |

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11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------|---------------------------------------|
| Acute oral toxicity | : LD50: > 6,000 mg/kg Species: Rat |
| Acute inhalation toxicity | : Note: no data available |
| Acute dermal toxicity | : Note: no data available |
| Skin irritation | : Note: no data available |
| Eye irritation | : Note: no data available |
| Sensitisation | : Note: no data available |
| Repeated dose toxicity | : Note: no data available |
| Genotoxicity in vitro | : Note: no data available |

12. ECOLOGICAL INFORMATION**Toxicity**

| | |
|---|---------------------------|
| Toxicity to fish | : Note: no data available |
| Toxicity to daphnia and other aquatic invertebrates | : Note: no data available |
| Toxicity to algae | : Note: no data available |

Persistence and degradability

| | |
|------------------|---------------------------|
| Biodegradability | : Note: no data available |
|------------------|---------------------------|

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13. DISPOSAL CONSIDERATIONS

Disposal methods : In accordance with local and national regulations.

14. TRANSPORT INFORMATION**ADR**

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

15. REGULATORY INFORMATION**National regulatory information**

Fire Service Law : Not relevant

Poisonous and Deleterious
Substances Control Law : Not relevant**Other international regulations****Notification status**US. Toxic Substances
Control Act : Not On TSCA InventoryAustralia. Industrial Chemical
(Notification and
Assessment) Act : Not in compliance with the inventory

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Canada. Canadian
Environmental Protection Act
(CEPA). Domestic
Substances List (DSL) : Not in compliance with the inventory

Japan. Kashin-Hou Law List : Not in compliance with the inventory

Korea. Existing Chemicals
Inventory (KECI) : Not in compliance with the inventory

Philippines. The Toxic
Substances and Hazardous
and Nuclear Waste Control
Act : Not in compliance with the inventory

China. Inventory of Existing
Chemical Substances : Not in compliance with the inventory

New Zealand. Inventory of
Chemicals (NZIoC), as
published by ERMA New
Zealand : Not in compliance with the inventory

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group