

Version: Discofinechem8 Revision date 03/03/2024 Discovery Fine Chemicals Limited Unit 4 A, Old Forge Road, Ferndown Ind. Estate Wimborne, Dorset. BH21 7RR .United Kingdom

Tel: +44 (0)1202 874517 Fax +44 (0)845 094 4385 Email: pjc@discofinechem.com Web: www.discofinechem.com

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MATERIAL SAFETY DATA SHEET

Moxifloxacin Hydrochloride SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers :

Product name : Moxifloxacin Hydrochloride Product number : 0186826868 Brand : Discovery Reach No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require registration or the registration is envisaged for a later Registration deadline. Cas No. : 186826-86-8

1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses : laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company:Discovery Fine Chemicals Ltd
Unit 4A, Old Forge Road, Ferndown Ind. Estate,
Wimborne, Dorset, BH21 7RR.
United KingdomTelephone:+44 (0)1202 874517
+44 (0)845 0944 385
E-mail:E-mail:discovery@discofinechem.com
discovery@discofinechem.com

1.4 Emergency telephone : +44 (0)7912 646956

SECTION 2. HAZARDS IDENTIFICATION 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Acute toxicity, oral (Category 4), H302 Eye irritation (category 2) H319 Long term (chronic) aquatic hazard (Category 3) H412

For the full text of the H-Statements mentioned in this section see section 16 Classification according to EU Directives 67/548/EEC or 1999/45/EC 2.2 Label elements Labelling according Regulation (EC) No 1272/2008 Pictogram



Signal word: Warning **Hazard statement(s)** H302 harmful if swallowed H319 Causes serious eye irritation H412 harmful to aquatic life with long lasting effects.



Precautionary statement(s)

P264 Wash skin thoroughly after handling P270 do not eat, drink or smoke when using this product P273 Avoid release to the environment P280 wear eye and face protection P301+P312 if swallowed call a poison centre P305+P351+P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula: C21H24FN3O4 'HCl Molecular Weight: 437.89 g/mol Cas No: 186826-86-8 E.C.No: 641-756-7 Component **Moxifloxacin HCl** CAS-No.84625-61-6 E.C.No. 617-596-6

Classification acute tox 4.

Aquatic chronic 3

Concentration <=100%

H302,H319, H412 For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

If inhaled - If breathed in, move person into fresh air. Consult a doctor if feeling unwell.

In case of skin contact – Remove all contaminated clothing. Rinse skin with water. Consult a physician.

In case of eye contact - Flush eyes with water. Remove contact lenses. Call an ophthalmologist.

If swallowed - Make victim drink water (two glasses at most) and consult a doctor

4.2 Most important symptoms and effects, both acute and delayed – the most important known symptoms and effects are described in the labelling (see section 2.2 and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media – water foam carbon dioxide (CO2) dry powder

Unsuitable extinguishing media - for this substance no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides Nitrogen oxides (NOx) Hydrogen Chloride gas Hydrogen fluoride Combustible

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

5.3 Advice for firefighters – in the event of fire wear self-contained breathing apparatus.

5.4 Further information – suppress gases and vapours with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground of water system.



6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area. For personal protection see section 8.

6.2 Environmental precautions - Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up – pick up and arrange disposal without creating dust. Sweep and shovel up. Keep in suitable closed containers for disposal.

6.4 Reference to other sections - For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

For precautions see section 2.2

Hygiene measures

Immediately change contaminated clothing, apply preventative skin protection. Wash hands and face after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2-8°C.

Storage class (TRGS 510): 11: combustible solids.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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: 0.11mm Break through time: 480min

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. Recommended Filter type: Filter type P3 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties a) Appearance - Form: crystalline, colourless



b) Odour - no data available

c) Odour Threshold - no data available

- d) Melting point/range: approx. 331°C
- e) Initial boiling point and boiling range no data available
- f) Flammability (solid, gas) no data available
- g) Upper/lower flammability or explosive limits no data available
- h) Flash point not applicable
- i) Autoignition temperature no data available
- j) Decomposition temperature no data avaialble
- k) pH no data available
- I) Viscosity viscosity,kinematic: no data available
 viscosity dynamic: no data available

m) Water solubility - insoluble

- n) Partition coefficient: no data available .
- o) Vapour pressure no data available
- p) Density no data available
- Relative density no data available
- q) Relative vapour density no data available
- r) Particle characteristics no data available
- s) Explosive properties no data available
- t) Oxidizing properties no data available
- 9.2 Other safety information no data available

10. STABILITY AND REACTIVITY

10.1 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.

10.2 Chemical stability

The product is chemically stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available 10.4 Conditions to avoid no data available

10.5 Incompatible materials

oxidizing agents

10.6 Hazardous decomposition products In the event of fire see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity LD50 oral 500.1mg/kg Inhalation - no data available Dermal - no data available Skin corrosion/irritation - no data available Serious eye damage/eye irritation Causes serious eye irritation. Respiratory or skin sensitization No data available. Germ cell mutagenicity No data available Carcinogenicity No data available Reproductive toxicity No data available. Specific target organ toxicity - single exposure No data available Specific target organ toxicity - repeated exposure No data available Aspiration hazard No data available



11.2 Additional Information Endocrine disrupting properties Product

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

RTECS: VB1983750

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity - no data available

12.2 Persistence and degradability - no data available

12.3 Bio-accumulative potential - no data available

12.4 Mobility in soil - no data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT),or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself according to notice directive on waste 2008/98/EC.

14. TRANSPORT INFORMATION

14.1 UN number NONE
14.2 UN proper shipping name
ADR/RID: none
IMDG: none
IATA: none
14.3 Transport hazard class(es)
ADR/RID: - none
14.4 Packaging group
ADR/RID: - none
14.5 Environmental hazards
ADR/RID: no IMDG Marine Pollutant: no IATA: no
14.6 Special precautions for user
Further Information
Not classified as dangerous in the meaning of transport regulations

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. **Other regulations**

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.

Take note of DIR 94/33/EC on the protection of young people at work

15.2 Chemical Safety Assessment -

For this product a chemical safety assessment was not carried out.

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16. OTHER INFORMATION

Text of H-code(s) and R-phrase(s) mentioned in Section 2 and 3

Hazard statement(s)

H302 harmful if swallowed

H319 Causes serious eye irritation

H412 harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P264 Wash skin thoroughly after handling P270 do not eat, drink or smoke when using this product P273 Avoid release to the environment P280 wear eye and face protection P301+P312 if swallowed call a poison centre P305+P351+P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing

Further information WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product.

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APPENDIX ABBREVIATIONS FULL TEXT

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR European Agreement concerning the International Carriage of Dangerous Goods by Road ALARP As low as is reasonably practicable CAS Chemical Abstracts Service CLP Classification, Labelling and Packaging Regulations COSHH Control of Substances Hazardous to Health EC Number European Community Number EC50 Effective Concentration 50% ECHA European Chemicals Agency ELINCS European List of Notified Chemical Substances EINECS European Inventory of Existing Commercial Chemical Substances GHS Globally Harmonised System HSE Health & Safety Executive UK IATA International Air Transport Association IM Intramuscular IMDG The International Maritime Dangerous Goods Code IP Intraperitoneal IV Intravascular LD50 Lethal Dose 50% LOEC Lowest Observable Effective Concentration LTEL Long Term Exposure Limit NOEC No Observable Effective Concentration OECD Organisation for Economic Cooperations and Development

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OSHA European Agency for Safety and Health at work PBT Persistent Bioaccumulative and Toxic substance PPE Personal Protective Equipment REACH Registration, Evaluation, Authorisation and Restriction of Chemicals RID Regulations Concerning the International Carriage of Dangerous Goods by Rail SC Subcutaneous SDS Safety Data Sheet SIEF Substance Information Exchange Forum STEL Short Term Exposure Limit STOT (RE) Specific Target Organ Toxicity – repeated exposure STOT (SE) Specific Target Organ Toxicity – single exposure SVHC Substance of Very High Concern VOC Volatile Organic Compounds vPvB Very Persistent and Very Bioaccumulative WEL Workplace Exposure Limits