

SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 31-Oct-2016 Version 1.1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Product Code Levofloxacin SC-252953

Recommended use of the chemical and restrictions on use For research use only. Not intended for diagnostic or therapeutic use.

Details of the supplier of the safety data sheet

Santa Cruz Biotechnology, Inc. 10410 Finnell Street Dallas, TX 75220 831.457.3800 800.457.3801 scbt@scbt.com Emergency telephone number Chemtrec 1.800.424.9300 (Within USA) +1.703.527.3887 (Outside USA)

2. HAZARDS IDENTIFICATION

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification

Acute toxicity - Oral Respiratory sensitization Skin sensitization Reproductive toxicity Effects on or via lactation

Label elements

Signal word Hazard statements

Symbols/Pictograms

Category 4 Category 1 Category 1 Category 2

Danger Harmful if swallowed May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction Suspected of damaging fertility or the unborn child May cause harm to breast-fed children





Precautionary Statements - Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and
	understood
	Use personal protective equipment as required
	Do not breathe dust/fume/gas/mist/vapors/spray
	Avoid contact during pregnancy/while nursing
	Wash face, hands and any exposed skin thoroughly after handling
	Do not eat, drink or smoke when using this product
	In case of inadequate ventilation wear respiratory protection
	Contaminated work clothing should not be allowed out of the workplace
	Wear protective gloves
Precautionary Statements - Response	IF exposed or concerned: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water
	If skin irritation or rash occurs: Get medical advice/attention
	Wash contaminated clothing before reuse
	IF INHALED: If breathing is difficult, remove victim to fresh air
	and keep at rest in a position comfortable for breathing
	If experiencing respiratory symptoms: Call a POISON CENTER
	or doctor/physician
	IF SWALLOWED: Call a POISON CENTER or doctor/physician if
	you feel unwell Rinse mouth
Precautionary Statements - Storage	
	Store locked up
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)	

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Other Information

NFPA	Health hazards	3
	Flammability	0
	Stability	0
	Physical and chemical	-
	properties	

Not applicable

	HMIS	Health hazards Flammability	3 0
<u> </u>		Physical hazards	0
Y		Personal protection	-

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No Molecular Weight Formula	100986-85-4 361.37 C18H20FN3O4	
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Chemical Name	CAS No	Weight %	Oral LD50	Dermal LD50	Inhalation LC50
Levofloxacin	100986-85-4	>98	= 1478 mg/kg (Rat)	-	-

4. FIRST AID MEASURES

First Aid Measures

General advice

Eye contact

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.



Most important symptoms and effects, both acute and delayed		
Self-protection of the first aider	Use personal protective equipment as required.	
Ingestion	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.	
Inhalation	Remove to fresh air Call a physician If breathing is irregular or stopped, administer artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation	
Skin Contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.	

Symptoms No information available.

Indication of any	immediate medical attention and special treatment needed
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Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	None.
Specific hazards arising from th	e chemical
Specific hazards arising from the chemical	No information available.
Hazardous combustion products	Hydrogen fluoride. Carbon oxides. Nitrogen oxides (NOx).
Explosion data Sensitivity to Mechanical Impact Sensitivity to Static Discharge	No information available. No information available.
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Protective equipment and precautions for firefighters

Protective equipment and precautions As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures		
Personal precautions	Ensure adequate ventilation, especially in confined areas.	
Environmental precautions		
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.	
Methods and material for contain	inment and cleaning up	
Methods for containment	Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.	

7. HANDLING AND STORAGE

Precautions for safe handling

Control parameters



Advice on safe handling	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.
Conditions for safe storage, in	ncluding any incompatibilities
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of
	children. Store at 4 °C.
Incompatible materials	None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Appropriate engineering contro	ls
Engineering Controls	Showers
	Eyewash stations
	Ventilation systems
Individual protection measures	, such as personal protective equipment
Eye/face protection	Tight sealing safety goggles.
Skin and Body Protection	Wear protective gloves and protective clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	powder
Odor	No information available
Property	Values
pH	No information available
Melting point/freezing point	218 °C
Boiling point	No information available
Flash point	No information available
Density	No information available
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available



10. STABILITY AND REACTIVITY

Reactivity	Not applicable
Chemical stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	No information available.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	Hydrogen fluoride. Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Information on toxicological effects Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Chronic Toxicity	No information available.	

Numerical measures of toxicity - Product Information

Unknown acute toxicity The following values are calculated based on chapter 3.1 of the GHS document ATEmix (oral) 1478 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity May cause long lasting harmful effects to aquatic life

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence and degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging Other Information	Do not reuse container. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION



DOT	Not regulated
IMDG	Not regulated
ΙΑΤΑ	Not regulated

15. REGULATORY INFORMATION

International Inventories

All of the components in the product are on the following Inventory lists No information available

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	
Reactive hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

16. OTHER INFORMATION

Revision note

No information available



Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet