

The Power to Question

SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 06-Mar-2019 Version 1.2

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

Product identifier

Product Name Elemicin Product Code SC-396155

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 Category 4 Germ Cell Mutagenicity Category 2

Label elements

Signal word Hazard statements

Suspected of causing genetic defects

Symbols/Pictograms

Harmful if swallowed

Precautionary Statements - Prevention Obtain special instructions before use

Do not handle until all safety precautions have been read and

understood

Warning

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after

handling

Do not eat, drink or smoke when using this product IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Response



V V

IF SWALLOWED: Call a POISON CENTER or doctor/physician if

you feel unwell Rinse mouth 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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Precautionary Statements - Storage

Not applicable

Other Information

NFPA Health hazards 0
Flammability 2
Stability 0
Physical and chemical -

properties



HMIS Health hazards 0
Flammability 2
Physical hazards 0
Personal protection -

* = Chronic Health Hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%	Oral LD50	Dermal LD50	Inhalation LC50
Elemicin	487-11-6	>98	-	-	-

4. FIRST AID MEASURES

First Aid Measures

General advice If symptoms persist, call a physician.

Eye contact 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.

Skin Contact Immediate medical attention is not required. Wash off immediately with soap and plenty of

water while removing all contaminated clothes and shoes. If skin irritation persists, call a

physician.

Inhalation Immediate medical attention is not required If symptoms persist, call a physician Move to

fresh air in case of accidental inhalation of vapors or decomposition products

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth

to an unconscious person. Call a physician. Do NOT induce vomiting.

Self-protection of the first aider

Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Suitable Extinguishing Media Unsuitable Extinguishing Media Use. Dry chemical. Carbon dioxide (CO2). Water spray (fog). Alcohol resistant foam. No information available.



Specific hazards arising from the chemical

Specific hazards arising from the

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

chemical

Hazardous combustion products Carbon oxides.

Explosion data

Sensitivity to Mechanical Impact No information available. Sensitivity to Static Discharge No information available.

Protective equipment and precautions for firefighters

Protective equipment and precautions As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

for firefighters

(approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled

containers. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use

personal protective equipment as required. Do not breathe

dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric Storage Conditions

motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place.

Keep away from heat. Keep in properly labeled containers. Store at -20 °C.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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 controls

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.

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and **General Hygiene Considerations**

clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State liauid

Appearance No information available Odor No information available

Property Values

No information available

65.80 °C Melting point/freezing point

Boiling point No information available Flash point No information available

Liquid Density 1.0 g/mL

Evaporation rate No information available Upper flammability limits No information available Lower flammability limit No information available

Vapor pressure 0.0 mmHa

Vapor density No information available Specific gravity No information available Water solubility No information available Solubility in other solvents No information available

Partition coefficient 2.90

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 Heat, flames and sparks. Incompatible materials Strong oxidizing agents.

Hazardous Decomposition Products Carbon oxides.

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 No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 500 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 should be in accordance with applicable regional, national and local laws and Disposal of wastes

regulations.

Do not reuse container. Contaminated packaging

14. TRANSPORT INFORMATION

DOT Not regulated

Not regulated **IMDG**

Not regulated IATA

15. REGULATORY INFORMATION

International Inventories All of the components in the product are on the following Inventory lists

Europe (EINECS/ELINCS/NLP)

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS



ſ	Flemicin	_	_	_	Х	_	_	-	-	-	-

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 Yes Fire hazard Yes Sudden release of pressure hazard No 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