

# SAFETY DATA SHEET

Cat# AUR10226, SolutionReady™ Cycloheximide



Date: 9/01/2022

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

### 1.1 Product identifiers

Product Name : **SolutionReady™ SolutionReady™ Cycloheximide**  
Product Number : AUR10226  
Manufacturer : Aurora Medbiochem  
Address : 938 South Andreasen Drive, Suite E  
Escondido, CA 92029 USA

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3 Emergency telephone

Emergency Phone # : +1-760-738-1508  
Fax Phone # : +1-760-738-1530

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product/ Chemical Name	Description	Safety Information	Concentration
SolutionReady™ Cycloheximide	Off White Solid	See below	>= 10 - < 20 %

## SECTION 3: HAZARDS IDENTIFICATION

Components	CAS Number	EC-No.	Molecular Weight	Chemical Formula
SolutionReady™ Cycloheximide	66-81-9	200-636-0	281.35	C <sub>15</sub> H <sub>23</sub> NO <sub>4</sub>

### Emergency Overview:

Classification according to Regulation (EC) No 1272/2008.

**OSHA Hazards:** Irritant

### GHS Classification:

Acute toxicity, Oral (Category 3), H301  
Germ cell mutagenicity (Category 2), H341  
Reproductive toxicity (Category 1B), H360D  
Long-term (chronic) aquatic hazard (Category 3), H412

### GHS Label elements, including precautionary statements

Pictogram:



Signal word:

Danger

GHS Hazard statement(s):

H301 Toxic if swallowed.  
H341 Suspected of causing genetic defects.  
H360D May damage the unborn child.  
H412 Harmful to aquatic life with long lasting effects.

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## P201 Obtain special instructions before use.

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

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Supplemental Hazard None

## GHS Response Phrases:

### HMIS Classification

Health hazard:

Chronic Health Hazard: \*

Flammability: 0

Physical hazards: 0

### NFPA Rating

Health Hazard:

Fire: 01

Reactivity Hazard: 0

### Potential Health Effects

**Inhalation:** May be fatal if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed

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## SECTION 4: FIRST AID MEASURES

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### 4.1 Description of first-aid measures

#### General advice

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

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 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 11)

**4.3 Indication of any immediate medical attention and special treatment needed** No data available.

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## SECTION 5: FIREFIGHTING MEASURE

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Condition of flammability: Not flammable or combustible.

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

#### Unsuitable extinguishing media

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

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

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Hazardous combustion products formed under fire conditions— carbon oxides, nitrogen oxides.

## 5.3 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.

## 5.4 Further information

Remove container from danger zone and cool with water. 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:** Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition.

Evacuate the danger area, observe emergency procedures, consult an expert.

**Environmental precautions:** Do not let product enter drains.

**Methods for cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

#### Advice on protection against fire and explosion

Keep away from open flames, hot surfaces, and sources of ignition. precautionary measures against static discharge.

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

#### Storage conditions

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

**Recommended storage temperature :** -20 °C

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection:

Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection:

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

## **Skin and body protection:**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures:** General industrial hygiene practice.

## **Control of environmental exposure**

Do not let product enter drains.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Property	SolutionReady™ Cycloheximide
<b>Appearance:</b>	Solid
<b>pH:</b>	No data available
<b>Water Solubility:</b>	~ 20 mg/ml
<b>Other Solubility:</b>	EtOH (50 mg/ml)
<b>Boiling Point (°C):</b>	No data available
<b>Melting Point (°C):</b>	No data available
<b>Flash Point (°C):</b>	No data available
<b>Ignition Temperature (°C):</b>	No data available
<b>Density:</b>	No data available

## **SECTION 10: STABILITY AND REACTIVITY**

Property	SolutionReady™ Cycloheximide
<b>Chemical stability</b>	Stable under recommended storage conditions
<b>Conditions to avoid:</b>	Light, moisture
<b>Materials to avoid:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	Carbon oxides, nitrogen oxides, carbon monoxide

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **SolutionReady™ Cycloheximide**

#### **Acute toxicity:**

Acute toxicity estimate Oral - 50,1 mg/kg  
(Calculation method)

Inhalation: No data available

Dermal: No data available

**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:** 3 - Group 3: Not classifiable as to its carcinogenicity to humans  
(SolutionReady™ Cycloheximide)

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Teratogenicity:** no data available

**Aspiration hazard:** no data available

Potential Health Effects

**Inhalation:** Very toxic if inhaled. May cause respiratory tract irritation.

**Skin:** Very toxic if absorbed through skin. Causes skin irritation.

**Eyes:** Causes eye irritation.

**Ingestion:** Very toxic if swallowed.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects:** no data available

**Additional information:** RTECS: no data available

## SECTION 12: ECOLOGICAL INFORMATION

### SolutionReady™ Cycloheximide:

**Toxicity:** no data available

**Persistence and degradability:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

## SECTION 13: DISPOSAL CONSIDERATION

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: 2810

IMDG: 2810

IATA: 2810

### 14.2 UN proper shipping name

ADR/RID: TOXIC LIQUID, ORGANIC, N.O.S. (Cycloheximide)

IMDG: TOXIC LIQUID, ORGANIC, N.O.S. (Cycloheximide)

IATA: Toxic liquid, organic, n.o.s. (Cycloheximide)

### 14.3 Transport hazard class(es)

ADR/RID: 6.1

IMDG: 6.1

IATA: 6.1

### 14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

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## 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

## 14.6 Special precautions for user

No data available

## SECTION 15: REGULATORY INFORMATION

### SolutionReady™ Cycloheximide

**OSHA Hazards:** Target Organ Effect, Highly toxic by ingestion, Irritant, Teratogen, Mutagen

**SARA 302 Components:** The following components are subject to reporting levels established by SARA Title III, Section 302: SolutionReady™ Cycloheximide CAS-No. 66-81-9

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:** SolutionReady™ Cycloheximide CAS-No. 66-81-9

**New Jersey Right To Know Components:** No data available

**California Prop. 65 Components:** No data available

### EU regulations

Component	Risk Phrases	Safety Phrases
SolutionReady™ Cycloheximide	R28, R51, R53, R61, R68	S45, S53, S61

## SECTION 16: OTHER INFORMATION

### DISCLAIMER:

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 regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aurora Medbiochem Co. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.