Section 1. Identification of the substance/mixture and of the Company

<table>
<thead>
<tr>
<th>Product identifiers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Citreoviridin</td>
</tr>
<tr>
<td>Formula</td>
<td>C\textsubscript{23}H\textsubscript{30}O\textsubscript{6}</td>
</tr>
<tr>
<td>Product Code</td>
<td>CI</td>
</tr>
<tr>
<td>RTECS</td>
<td>UQ1235000</td>
</tr>
<tr>
<td>CAS #</td>
<td>25425-12-1</td>
</tr>
<tr>
<td>MW</td>
<td>402.48</td>
</tr>
<tr>
<td>EC/REACH Number</td>
<td>636-737-5</td>
</tr>
</tbody>
</table>

Intended uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Intended use</th>
<th>Uses advised against:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only for Research and/or Development</td>
<td>Not for drug. Not to be used in humans or animals. Not food additive</td>
</tr>
</tbody>
</table>

Details of the supplier of the safety data sheet

| FERMENTEK ltd        | Tel: +972 2 5853953   |
| 4 Yatziv street, POB 47120 | Fax: +972 2 5853943   |
| Jerusalem 97800, Israel | eMail: fermentek@fermentek.com |
|                      | Website: www.fermentek.com |

This company is the manufacturer of the product, and the supplier of the safety data sheet

REACH

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 a registration or the registration is envisaged for a later registration deadline.

Section 2. Hazards identification

2.1. Classification of the substance

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

GHS Classification:

Acute toxicity - Oral Category 4  H302 Harmful if swallowed.

2.2. GHS Label elements, including precautionary statements

<table>
<thead>
<tr>
<th>Pictogram:</th>
<th>Signal word</th>
<th>DANGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>!</td>
<td></td>
<td></td>
</tr>
<tr>
<td>!</td>
<td></td>
<td></td>
</tr>
<tr>
<td>!</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GHS Hazard Statements

- Acute toxicity - Oral Category 2
- Acute toxicity - Dermal Category 3
- Acute toxicity - Inhalation (Dusts/Mists) Category 3
- Skin corrosion/irritation Category 2
- Serious eye damage/eye irritation Category 2A
- Reproductive toxicity Category 2
- Specific target organ toxicity (single exposure) Category 3

GHS hazard Statements

- H300 - Fatal if swallowed
- H311 - Toxic in contact with skin
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H331 - Toxic if inhaled
- H335 - May cause respiratory irritation
- H361 - Suspected of damaging fertility or the unborn child
Section 3. Composition/information on ingredients

Substance

<table>
<thead>
<tr>
<th>Molecular Formula:</th>
<th>C_{22}H_{29}N_7O_5\cdot2\text{HCl}; m.w. 544.43</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS Registry #:</td>
<td>58-58-2</td>
</tr>
<tr>
<td>EC#:</td>
<td>200-387-8</td>
</tr>
<tr>
<td>Synonyms</td>
<td>Stylomycin, hydrochloride</td>
</tr>
<tr>
<td>Classification</td>
<td>Acute Tox. 4 (Oral), H302 - Harmful if swallowed</td>
</tr>
</tbody>
</table>

Mixture
Not a mixture. This product is a pure compound.

Section 4. First Aid Measures

General advice
Consult a physician if necessary. Remove to fresh air.

Skin Contact
Wash skin with soap and water.

Eye contact:
Flush with plenty of water.

Ingestion:
Never give anything by mouth to an unconscious person. Clean mouth with water.

Inhalation:
Remove to fresh air if breathing is difficult, give oxygen if not breathing, give artificial respiration.

Self-protection of the first aider:
Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed
No information available.

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

Section 5. Fire-fighting measures

Extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions
See part 12

Methods and material for containment and cleaning up

Methods for containment:
Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up:
Cover liquid spill with sand, earth or other non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, and vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.

Section 7. Handling and storage

Precautions for 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, including any incompatibilities

Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place.
Keep out of the reach of children.
Store at -20 °C.

Incompatible materials:
None known based on information available.

Section 8. Exposure Controls/Personal Protection

No occupational exposure limits are listed for this material.

OSHA Permissible Exposure Limits
No Data Available

NIOSH Recommended Exposure Limits
No Data Available

ACGIH Threshold Limit Values
No Data Available

Exposure controls

Appropriate engineering controls
Safety showers;
Eyewash stations;
Ventilation systems

General Hygiene Considerations:
Handle in accordance with good industrial hygiene and safety practice.
Personal protective equipment
The employer/end user, prior to use of this product should perform all recommendations below are advisory in nature and a risk assessment. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

[PPE=Personal Protection Equipment]

PPE: Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

PPE: Hand Protection:
Handle with gloves. Inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands.

PPE: Eye Protection:
Use Tightly sealed goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

PPE: Skin and Body Protection:
Handle with gloves. Wear protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the workplace. When deemed needed according to the concentration and amount of this product, use a complete body suit.

Section 9. Physical and chemical properties

Physical / chemical properties

<table>
<thead>
<tr>
<th>Physical state at room temperature</th>
<th>Solid / powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Off White</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>180-195°C</td>
</tr>
</tbody>
</table>

No further safety-relevant information is available

Section 10. Stability and reactivity

Reactivity: No information available.
Chemical stability: Stable under normal conditions.
Conditions to avoid: Heat, flames and sparks
Incompatible materials: Strong reducers and oxidizers
Possibility of Hazardous Reactions: None under normal processing
Hazardous decomposition products: Carbon monoxide (CO), Carbon dioxide (CO2). Nitrogen oxides (NOx). Phosgene.

Section 11. Toxicological information

Information on likely routes of exposure

Ingestion: Oral, Rodent (Mouse) LD50 = 720 mg/kg; 
Inhalation: No data available.
Eye contact: Irritating effect.
Skin contact: No data available.
Section 12. Ecological Information

Eco-Toxicity: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. Not classified as dangerous for the ozone layer.

Other adverse effects: No further relevant information available.

Section 13. Disposal Considerations

Waste treatment methods
- Waste from residues/unused products: Dispose of in accordance with local regulations
- Contaminated packaging: Dispose of as unused product

Section 14. Transport Information

UN number, Proper Shipping Name, Transport Hazard Class, packing group

<table>
<thead>
<tr>
<th>UN Number</th>
<th>US DOT</th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

Transport Hazard Class & Packing Group
- None: Not regulated

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation
- USA EPA/TSCA: This product is not listed on the USA EPA TSCA
- USA EPA/SARA: S. 302 (EHS); S. 304 (RQ) – not listed
- EU ECHA Status: This product is not registered with the EU ECHA
- CA: DSL/NDSL Status: This product is not listed on the Canadian DSL/NDSL

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: No
- Chronic Health Hazard: No
- Fire hazard: No
Section 16. **Other information**

**Date of revision: 29-May 2017**

**Disclaimer**

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 here is designed only as 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 SDS*