SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Soleris® Supplement, Yeast and Mold with Chlortetracycline
Product code: YI-110C

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

Product Use: [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC21] Laboratory chemicals;
Description: Intended for laboratory use only.

1.3. Details of the supplier of the safety data sheet

Company: Neogen Corporation
Address: 620 Lesher Place
Lansing MI 48912
USA
Web: www.neogen.com
Telephone: 517-372-9200/800-234-5333
Email: SDS@neogen.com

1.4. Emergency telephone number

24 hours:
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS

Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335;

2.2. Label elements

Hazard pictograms

Signal Word: Danger

Hazard Statement:
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Dam. 1: H318 - Causes serious eye damage.
STOT SE 3: H335 - May cause respiratory irritation.

Precautionary Statement: Prevention
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
2.2. Label elements

Precautionary Statement:
Response
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement:
Storage
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statement:
Disposal
P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

2.3. Other hazards

Other hazards
None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlortetracycline hydrochloride</td>
<td>64-72-2</td>
<td>200-591-7</td>
<td></td>
<td></td>
<td>60 - 70%</td>
<td>Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;</td>
</tr>
<tr>
<td>Tartaric acid</td>
<td>87-69-4</td>
<td>201-766-0</td>
<td></td>
<td></td>
<td>1 - 10%</td>
<td>Eye Dam. 1: H318;</td>
</tr>
</tbody>
</table>

Description
Concentrations listed are not product specifications.

Further information
Full text of Hazard Statements listed in this Section is provided in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.

Eye contact
Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.

Skin contact
Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.

Ingestion
Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation
May cause irritation to respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Eye contact
Causes burns. Causes severe inflammation and may damage the cornea. Risk of serious damage to eyes.

Skin contact
Causes skin irritation.
4.2. Most important symptoms and effects, both acute and delayed

**Ingestion**

Ingestion may cause nausea and vomiting. May cause oral mucosal irritation.

---

4.3. Indication of any immediate medical attention and special treatment needed

Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

---

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Irritant. Avoid raising dust. May form combustible dust/air mixture.

5.3. Advice for firefighters

Do not breathe dust or vapour. Wear suitable respiratory equipment when necessary.

---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

6.3. Methods and material for containment and cleaning up

Prevent further spillage if safe. Avoid formation of dust. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

---

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing. Read the entire label and follow all use directions, restrictions, and precautions.

7.2. Conditions for safe storage, including any incompatibilities

Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

---

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls
8.2. Exposure controls

8.2.1. Appropriate engineering controls
Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures
Use as appropriate: Protective equipment.

Eye / face protection
Wear eye/face protection.

Skin protection - Hand protection
Wear suitable gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Skin protection - Other
Use as appropriate: Protective clothing.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls
Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Light yellow/Beige</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
</tbody>
</table>

9.2. Other information

VOC (Volatile organic compounds)
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
10.1. Reactivity
Stable under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid
Keep away from extreme temperatures, Moisture.

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/Irritation
Causes serious eye damage. Causes severe inflammation and may damage the cornea.

Respiratory or skin sensitisation
May cause allergic reactions in susceptible people.

Germ cell mutagenicity
No mutagenic effects reported.

Carcinogenicity

Reproductive toxicity
No teratogenic effects reported.

STOT-single exposure
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT-repeated exposure
No Significant Hazard.

Aspiration hazard
No Significant Hazard.

Repeated or prolonged exposure
Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

11.1.2. Mixtures
See Section(s) 3 for further information.

11.1.3. Hazard Information
See Section(s) 2 and 3 for further information.

11.1.4. Toxicological Information

Soleris® Supplement, Yeast and Mold with Chlortetracycline

Oral Rat LD50: 3215 (ATEmix)

11.1.5. Hazard Class
11.1.5. Hazard Class
See Section(s) 2 and 14 for further information.

11.1.6. Classification Criteria
Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.

11.1.7. Information on likely routes of exposure
Eye contact. Ingestion. Inhalation. Skin contact.

11.1.8. Symptoms related to the physical, chemical and toxicological characteristics
See Section(s) 4.2 for further information.

11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure
See Section(s) 4.2 for further information.

11.1.10. Interactive effects
No data available.

11.1.11. Absence of specific data
<1% of this mixture consists of ingredients of unknown acute toxicity.

11.1.12. Mixture versus substance information
See Section(s) 3 for further information.

11.1.13. Other information
Caution - substance not yet fully tested.

SECTION 12: Ecological information

12.1. Toxicity
No data available

12.2. Persistence and degradability
No data is available on this product.

12.3. Bioaccumulative potential
No data is available on this product.

Partition coefficient

12.4. Mobility in soil
No data is available on this product.

12.5. Results of PBT and vPvB assessment
No data is available on this product.

12.6. Other adverse effects
Caution - substance not yet fully tested.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
### 13.1. Waste treatment methods

Follow label instructions. Dispose of in compliance with all local and national regulations.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### SECTION 14: Transport information

#### 14.1. UN number

The product is not classified as dangerous for carriage.

#### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

#### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

#### 14.4. Packing group

The product is not classified as dangerous for carriage.

#### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

#### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

### SECTION 15: Regulatory information

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

<table>
<thead>
<tr>
<th>Regulations</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Inventories/Right-to-Know Lists:</strong></td>
<td>This document has been prepared in accordance with the requirements set out under the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, the Hazardous Substances (Safety Data Sheets) Notice 2017 and the Hazardous Substances (Labelling) Notice 2017.</td>
</tr>
<tr>
<td></td>
<td>--International--</td>
</tr>
<tr>
<td></td>
<td>Basel Convention (Hazardous Waste): Not applicable.</td>
</tr>
<tr>
<td></td>
<td>Chemical Weapons Convention (OPCW): This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>Kyoto Protocol Greenhouse Gases: This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>Mercosur Agreement: Applicable.</td>
</tr>
<tr>
<td></td>
<td>Montreal Protocol: This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>The Rotterdam Convention: This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>The Stockholm Convention: This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>--Asia and the ASEAN Nations--</td>
</tr>
<tr>
<td></td>
<td>Catalog of Hazardous Chemicals (China): This material contains no reportable components.</td>
</tr>
<tr>
<td></td>
<td>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This material contains no reportable components.</td>
</tr>
</tbody>
</table>

Copyright © 2019 ChemSoft. All rights reserved.
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Chemical Substances Control Law (Japan): This material contains no reportable components.
- Industrial Safety and Health Act, Dangerous Substances (Japan): This material contains no reportable components.
- Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.
- Chemical Substances Subject to Permission (Korea): This material contains no reportable components.
- Restricted or Prohibited Substances (Korea): This material contains no reportable components.
- Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This material contains no reportable components.
- Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969): [Tartaric acid, CAS No. 87-69-4].
- Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.
- Hazardous Substances Act (Thailand): This material contains no reportable components.
- Law on Chemicals (Vietnam): Appendix V, [Tartaric acid (its salts and esters), CAS No. 87-69-4].

--Australia and New Zealand--.
- Australian Dangerous Goods Code: Not applicable.
- Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.
- New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.
- Authorisation List (Annex XIV of REACH): All ingredients listed or exempt.
- Annex XVII for REACH: This material contains no reportable components.
- Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.
- Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.
- Toxic Substances Control Act (TSCA): All ingredients listed or exempt.
- Massachusetts Right-to-Know Hazardous Substance List: This material contains no reportable components.
- New Jersey Worker and Community Right to Know Act: This material contains no reportable components.
- Pennsylvania Right to Know Law: This material contains no reportable components.
- Rhode Island Right-to-Know General Law: This material contains no reportable components.
- California Proposition 65: This material contains no reportable components.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:
1 - Description.
1 - Product Use.
2 - Precautionary Statement: Response.
2 - Precautionary Statement: Storage.
4 - Inhalation.
4 - Eye contact.
9 - 9.1. Information on basic physical and chemical properties (Viscosity).
9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).
9 - 9.1. Information on basic physical and chemical properties (Solubility).
### Other Information

<table>
<thead>
<tr>
<th>Acronyms</th>
<th>Text of Hazard Statements in Section 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</td>
<td>Skin Irrit. 2: H315 - Causes skin irritation.</td>
</tr>
<tr>
<td>CAS No.: Chemical Abstracts Service.</td>
<td>Eye Irrit. 2: H319 - Causes serious eye irritation.</td>
</tr>
<tr>
<td>GHS: Globally Harmonized System.</td>
<td>STOT SE 3: H335 - May cause respiratory irritation.</td>
</tr>
<tr>
<td>IATA: International Air Transport Association.</td>
<td></td>
</tr>
<tr>
<td>ICAO: International Civil Aviation Organisation.</td>
<td></td>
</tr>
<tr>
<td>IMDG: International Maritime Dangerous Goods.</td>
<td></td>
</tr>
<tr>
<td>LD: Lethal dose.</td>
<td></td>
</tr>
<tr>
<td>OEL: Occupational exposure limit.</td>
<td></td>
</tr>
<tr>
<td>OSHA: U.S. Occupational Safety and Health Administration.</td>
<td></td>
</tr>
<tr>
<td>PEL: Permissible Exposure Limit.</td>
<td></td>
</tr>
<tr>
<td>REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.</td>
<td></td>
</tr>
<tr>
<td>SVHC: Substance of very high concern.</td>
<td></td>
</tr>
<tr>
<td>US DOT: United States Department of Transportation.</td>
<td></td>
</tr>
<tr>
<td>VOC: Volatile Organic Compound.</td>
<td></td>
</tr>
<tr>
<td>WEL: Workplace Exposure Limit.</td>
<td></td>
</tr>
</tbody>
</table>

### Further information

DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.