

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

1.1 Product identifier

- Product Name: **Yeast and Mold Supplement with Chlortetracycline**
- Product Part Number: **YI-110C**

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

- Use of the substance/mixture: For use with yeast and mold tests using Soleris test vials. For professional use only.
- Use advised against: Not for sale to the general public

1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place
Lansing, Michigan 48912
USA
- Telephone: 517/372-9200
- Email: Foodsafety@neogen.com

1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: (800) 424-9300
Outside USA and Canada (703) 527-3887

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (29 CFR 1910.1200): Skin irritation, Cat. 2, Serious eye damage, Cat. 1, Specific target organ toxicity (single exposure), Cat. 3
- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Irrit. 2, H315, Eye Dam. 1, H318, STOT SE 3, H335
- Additional information: For full text of Hazard and EU Hazard statements: see Section 16

2.2 Label elements



GHS05



GHS07

- Signal Word: Danger
- Restricted to professional users
- Hazard phrases
 - Causes skin irritation.
 - Causes serious eye damage.
 - May cause respiratory irritation.
- Precautionary Phrases
 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - Immediately call a POISON CENTER or doctor/physician.
 - IF ON SKIN: Wash with plenty of soap and water.
 - IF SKIN irritation or rash occurs: Get medical attention/advice.

SECTION 2 Hazards identification (continued)

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Store locked up in a well-ventilated place. Keep container tightly closed.
Wash hands thoroughly after handling.
Take off contaminated clothing and wash before reuse.
Use only outdoors or in a well-ventilated area.
Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

- No information available

SECTION 3 Composition/information on ingredients

3.1 Substances

3.2 Mixtures

This product is a mixture of the substances listed below with the addition of non-hazardous materials

Chemical	Concentration	CAS No.	EC Number	R/H Phrases	Symbols
Chlortetracycline Hydrochloride	63%	64-72-2	200-591-7	H315, H319, H335	GHS07
L-Tartaric Acid	<6%	87-69-4	201-766-0	H315, H318	GHS05

SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with skin
Gently wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for several minutes.
Irrigate eyes thoroughly while lifting eyelids.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get immediate medical advice/attention.
- Ingestion
Do NOT induce vomiting.
Rinse mouth with water (do not swallow).
Never give anything by mouth to an unconscious person.
Seek immediate medical attention.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Causes damage to the eyes.
- Causes skin irritation.
- May cause respiratory irritation.

SECTION 4 First aid measures (continued)

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media: high volume water jet

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- May give off noxious and toxic fumes in a fire
- Decomposition products may include nitrogen and carbon oxides.

5.3 Advice for firefighters

- Shut off all ignition sources.
 - Prevent run off water from entering drains if possible.
 - Smoke from fire is toxic. Take precautions to protect personnel from exposure.
 - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
 - Keep container(s) exposed to fire cool, by spraying with water.
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate the area and keep personnel upwind.
- Wear protective clothing as per Section 8.
- Contaminated clothing should be laundered before reuse.
- Wash thoroughly after dealing with spillage.
- Eyewash bottles should be available.

6.2 Environmental Precautions

- Avoid release to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

6.3 Methods and material for containment and cleaning up

- Avoid formation of dust.
- Sweep or shovel-up spillage and remove to a safe place.
- Place in sealable container.
- Seal containers and label them.
- Remove contaminated material to safe location for subsequent disposal.
- Ventilate the area and wash spill site after material pick-up is complete.

6.4 Reference to other sections

- See Section 7, 8 & 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Do not get in eyes, on skin, or on clothing.
- Take off contaminated clothing and wash before reuse.
- Do not eat, drink or smoke when using this product.
- Prevent formation of dust.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Ensure adequate ventilation.
- Wash hands thoroughly after handling.
- Eyewash bottles should be available.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool. Protect from sunlight.
- Store at 2 - 8 °C.
- Keep away from oxidizers, heat, flames or ignition sources.
- Keep away from acid.
- Keep away from moisture.
- Keep away from food, drink and animal food stuffs.

7.3 Specific end use(s)

- For use with yeast and mold tests using Soleris test vials

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- This product contains no substances with occupational exposure limit values.

8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- Use NIOSH N95 (US) or type FFP3 (EN 143) dust masks.
- Wear protective gloves/protective clothing/eye protection/face protection.
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear safety glasses approved to standards for ANSI Z87 or EN 166.
- Eyewash bottles should be available.
- Contaminated clothing should be laundered before reuse.



Gloves



Safety Glasses



Lab Coat



Respirator

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Light, yellow, beige, lyophilized, cake

SECTION 9 Physical and chemical properties (continued)

- Odor: No information available
- Odor threshold: No information available
- pH: No information available
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability (solid, gas): No information available
- Upper/lower flammability or explosive limits: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Relative Density: No information available
- Solubility(ies): Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: product is not self-igniting
- Decomposition temperature: No information available
- Viscosity: Product is solid
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: No information available

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose.

10.2 Chemical stability

- Considered stable under normal conditions.

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
- Keep away from light and moisture.

10.5 Incompatible materials

- Incompatible with acid.
- Incompatible with strong oxidizing substances.

10.6 Hazardous Decomposition Products

- Decomposition products may include nitrogen and carbon oxides.
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
Based on available data, the classification criteria are not met.

SECTION 11 Toxicological information (continued)

- Skin corrosion/irritation
Causes skin irritation.
Classification based on calculation and concentration thresholds.
 - Serious eye damage/irritation
Causes serious eye damage.
Classification based on calculation and concentration thresholds.
 - Respiratory or skin sensitization
No evidence of skin sensitization in humans.
 - Germ cell mutagenicity
No evidence of mutagenic effects.
 - Carcinogenicity
No evidence of carcinogenic effects.
 - Reproductive toxicity
No evidence of reproductive effects.
 - Specific target organ toxicity (STOT) - single exposure
May cause respiratory irritation.
Classification based on calculation and concentration thresholds.
 - Specific target organ toxicity (STOT) - repeated exposure
No information available
 - Aspiration hazard
No information available
 - Contact with eyes
Causes serious eye damage.
Causes redness and swelling.
May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
 - Contact with skin
Causes redness and irritation.
 - Inhalation
May cause respiratory irritation.
May cause coughing.
 - Ingestion
May cause irritation of the mouth and throat.
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SECTION 12 Ecological information

- 12.1 Toxicity
 - No experimental test data available for the mixture
 - 12.2 Persistence and degradability
 - No information available
 - 12.3 Bioaccumulation Potential
 - No information available
 - 12.4 Mobility in soil
 - No information available
 - 12.5 Results of PBT and vPvB assessment
 - No information available
 - 12.6 Other Adverse Effects
 - No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state, national, or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty container.

13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN Number

- UN No.: Not applicable

14.2 UN Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- See Section 7

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

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 14 Transport information (continued)

14.11 DOT / CFR (US Department of Transportation)

- DOT Proper Shipping Name: Not applicable
 - DOT UN No.: Not applicable
 - DOT Hazard Class: Not applicable
 - DOT Packing Group: Not applicable
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SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830 and the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

15.2 Chemical Safety Assessment

- No information available

15.3 United States Regulatory Information

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: The 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

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.