



Section 1. Product and Company Identification

**Product Name** Sodium Copper Chlorophyllin


**CAS Number** 11006-34-1

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Section 2. Hazards Identification

**Classification of the substance or mixture**

**Classification (GHS-US):** Not classified

**Other hazards:** No additional information available

Section 3. Composition / Information on Ingredients

**Common Name** Sodium Copper Chlorophyllin

**Synonym(s)** Chlorophyllin, coppered trisodium salt

**Formula**  $C_{34}H_{31}CuN_4Na_3O_6$

**CAS Number** 11006-34-1

COMPONENT	CAS NUMBER	CONCENTRATION
Sodium Copper Chlorophyllin	11006-34-1	100%

Section 4. First Aid Measures

**Description of first aid measures**

**General:** Call a physician immediately.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing.

**Skin contact:** Wash with plenty of soap and water.

**Eye contact:** Rinse cautiously with water for several minutes.

**Ingestion:** Do not give an unconscious person anything to drink. Rinse mouth out with water.

**Most important symptoms and effects, both acute and delayed:** No additional information available

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

Section 5. Firefighting Measures

**Extinguishing media**

**Suitable extinguishing media:** Dry chemical, alcohol-resistant foam, water spray, carbon dioxide.

**Special hazards arising from the substance or mixture**

**Fire hazard:** Carbon oxides. Nitrogen oxides. Sodium oxides.

**Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.

**Advice for firefighters**

**Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

**General measures:** Avoid dust formation. Avoid breathing (dust, vapor, mist, gas).

**For non-emergency personnel**

**Emergency procedures:** Ventilate spillage area. Evacuate unnecessary personnel.

**For emergency responders**

**Protective equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Environmental precautions:** Avoid release to the environment.

**Methods and material for containment and cleaning up**

**For containment:** Sweep up or vacuum up the product. Keep in suitable, closed containers for disposal.

**Methods for cleaning up:** Recover mechanically the product.

**Other information:** Dispose of materials or solid residues at an authorized site.

**Reference to other sections:** For further information refer to section 13.

Section 7. Handling and Storage

**Precautions for safe handling**

**Precautions for safe handling:** Ensure good ventilation of the work station. Wear personal protective equipment.

**Hygiene measures:** Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a well-ventilated place. Keep cool. Keep dry. Store in a well-ventilated place. Keep container tightly closed.

**Storage temperature:** 2 - 8°C

Section 8. Exposure Controls / Personal Protection

**Control parameters**

**ACGIH:** Not applicable

**OSHA:** Not applicable

**Exposure controls**

**Appropriate engineering controls:** Ensure good ventilation of the work station.

**Hand protection:** protective gloves.

**Eye protection:** Safety glasses.

**Skin and body protection:** Wear suitable protective clothing.

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

**Environmental exposure controls:** Avoid release to the environment.

Section 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

**Physical state:** Solid

**Appearance:** Powder

**Color:** Dark green

**Odor:** Odorless

**Odor threshold:** No data available

**pH:** No data available

**pH solution:** 9.5 - 10.7 in 1% solution

**Melting point:** No data available

**Freezing point:** Not applicable

**Boiling point:** No data available

**Flash point:** Not applicable

**Relative evaporation rate (butyl acetate=1):** No data available

**Flammability (solid, gas):** No data available

**Explosion limits:** Not applicable

**Explosive properties:** No data available

**Oxidizing properties:** No data available

**Vapor pressure:** No data available

**Relative density:** Not applicable

**Relative vapor density at 20°C:** No data available

**Molecular mass:** 724.15 g/mol

**Solubility:** No data available

**Log Pow:** No data available

**Log Kow:** No data available

**Auto-ignition temperature:** Not applicable

**Decomposition temperature:** No data available

**Viscosity:** No data available

**Viscosity, kinematic:** Not applicable

**Viscosity, dynamic:** No data available

**Other information:** No additional information available

Section 10. Stability and Reactivity

**Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.

**Conditions to avoid:** None under recommended storage and handling conditions (see section 7).

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** No additional information available

Section 11. Toxicological Information

**Information on toxicological effects**

**Acute toxicity:** Not classified

**Sodium Copper Chlorophyllin (11006-34-1)**

LD50 oral rat

7000 mg/kg

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** Not classified

**Specific target organ toxicity (repeated exposure):** Not classified

**Aspiration hazard:** Not classified

Section 12. Ecological Information

**Toxicity**

**General:** The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

**Persistence and degradability:** No additional information available

**Bioaccumulative potential:** No additional information available

**Mobility in soil:** No additional information available

**Other adverse effects:** No additional information available

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**Department of Transportation (DOT)**

No dangerous good in sense of transport regulations

**Additional information**

**Other information:** No supplementary information available.

**ADR:** No additional information available

**Transport by sea:** No additional information available

**Air transport:** No additional information available

Section 15. Regulatory Information

**US Federal regulations**

No additional information available

**International regulations**

**Canada:** No additional information available

**EU-Regulations:** No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]:** Not classified

**Classification according to Directive 67/548/EEC or 1999/45/EC:** Not classified

**National regulations:** All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory

**US State regulations**

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

**HMIS III Rating**

**Health:** 2

**Flammability:** 1

**Physical:** 0

Section 16. Other Information
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**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 with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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