



Date: 9/10/2020

Last Updated: 11/12/2019

## 1. PRODUCT IDENTIFICATION OF SUBSTANCE/MIXTURE AND SUPPLIER INFORMATION

Product form: Solid  
Product Name: Chlorin e6  
CAS No: 19660-77-6  
Formula: C34H36N4O6  
FSSI Number: 500068035  
Alt. Catalog#: Ce6  
Emergency Tel No: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION---Label Information

Signal Word

**Warning**

Hazard Statement(s)

**H315:Causes skin irritation.**  
**H319:Causes serious eye irritation.**  
**H335:May cause respiratory irritation.**



General Risk:

Avoid inhalation, contact with skin or eyes, and ingestion. Always use personal protective equipment when handling this compound.(Additional information may be included in SDS sheet)

### Precautionary Statements

P233-Keep container tightly closed.  
P233-Store in a well-ventilated place. Keep container tightly closed.  
P261-Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264-Wash hands thoroughly after handling.  
P264-Wash skin thoroughly after handling.  
P271-Use only outdoors or in a well-ventilated area.  
P280-Wear protective gloves/protective clothing/eye protection/face  
P302-IF ON SKIN Wash with plenty of soap and water  
P304-IF INHALED Remove victim to fresh air and keep at rest in a comfortable position for breathing.  
P305-IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P312-Call a POISON CENTER or doctor/physician if you feel unwell.  
P313-IF exposed or concerned: Get medical advice/attention.



## Precautionary Statements Continued

P321-Specific treatment (see § 2 on this label).

P332-IF SKIN irritation occurs:

P337-If eye irritation persists:

P338-Remove contact lenses, if present and easy to do. Continue rinsing.

P340-Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P351-Rinse cautiously with water for several minutes.

P352-Wash with plenty of soap and water.

P362-Take off contaminated clothing and wash before reuse.

P403-Protect from sunlight. Store in a well-ventilated place.

P501-Dispose of contents/container to appropriate regulated hazardous waste stream

**3. COMPOSITION/INFORMATION on INGREDIENTS**

Product Name:	Chlorin e6
CAS No:	19660-77-6
Formula:	C34H36N4O6
Appearance:	Ce6 Derivative - Purple-green color solid

**4. FIRST AID MEASURES**

Inhalation:	Remove to fresh air. In cases of serious discomfort seek medical attention. If not breathing, trained personnel should administer oxygen or artificial respiration.
Eye Contact:	Flush with copious amounts of water for at least 20 minutes. Seek immediate medical attention.
Skin Contact:	Remove contaminated clothing. Rinse affected area with copious amounts of water. Rinse thoroughly. In case of skin damage or persistent irritation seek immediate medical attention. Show the physician the container details.
Storage:	Refer to Bottle label for storage information
Ingestion:	Call a physician or poison control center immediately. Induce vomiting only if instructed to do so by medical personnel. Seek immediate medical attention.

**5. FIRE FIGHTING MEASURES**

Extinguishing Medium:	Use fire fighting measures which suit the environment and take into account other materials which may be involved. Use carbon dioxide or dry powder for fires involving this material. In general, water-based extinguishers are not recommended for fires involving organic materials.
Protective Equipment:	Wear self-contained breathing apparatus and protective clothing. Most compounds emit toxic gases when burning.

**6. ACCIDENTAL RELEASE MEASURES**

Personal Protection:	Avoid inhalation or contact of spilled material with skin or clothing. Wear protective clothing. Keep unprotected persons away.
Environmental Protection:	Take precautions to ensure product does not contaminate the ground or enter the drainage system.
Collection:	Contain or absorb, as appropriate. Minimize dust generation, where applicable. Dispose according to Section 13.

**7. HANDLING AND STORAGE**

Handling: Chemicals should be used only by those trained in handling potentially hazardous materials. Chemical resistant gloves, eye protection and protective clothing should be worn. Operations should be carried out in efficient fume hood or equivalent system. Avoid breathing of dust, vapor, mist, or gas.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Respiratory: Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

Eye: Avoid eye contact. Wear safety glasses, goggles or, for larger quantities, a full-face shield.

Hands and Body: Avoid skin contact. Wear chemical-resistant gloves and, for larger quantities, a full arm and body protection. Wash hands thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Ce6 Derivative - Purple-green color solid

Boiling Point: Not specified

Melting Point: Not specified

Water Solubility: Aqueous Base and polar organic solvents e.g. DMSO, DMF

Flash Point: No data available

Formula Weight: 596.673

Density: No data available

Lower Explosive Limit: No data available

Upper Explosive Limit: No data available

PEL: No data available

Auto Ignition Point: No data available

**10. STABILITY AND REACTIVITY**

No specific data on stability, incompatibility, or reactivity is currently available. Keep away from high temperature, flames, sparks and oxidizing agents.

**11. TOXICOLOGICAL INFORMATION**

The toxicological properties of this compound have not been fully investigated. However, as a minimum precaution, it should be considered to be harmful. Precautions should be taken and procedures adopted to prevent exposure. Hazardous decomposition products may occur when this compound comes in contact with other chemicals, fire, or water.

**12. ECOLOGICAL EFFECTS**

Take care to prevent chemicals from entering the ground, water bodies, or drainage systems.

**13. DISPOSAL CONSIDERATIONS**

Disposal should be carried out via an approved contractor according to all federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

UN Number: None  
Packing Group: None  
Hazard Class: No data available  
DOT ShipName: No data available

Other Information:

No data

**15. REGULATORY INFORMATION**

None available

**16. OTHER INFORMATION**

The information on this Safety Data Sheet is correct to the best of our knowledge as of the date of publication. This information should be used only as a guide and is not a guarantee of any specific properties. All chemicals should be handled by qualified personnel using proper handling precautions. FSSI cannot accept liability for any loss, damage, or injury that results from the use of this chemical. THIS SUBSTANCE IS FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.