

Safety Data Sheet

complying with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product name: ECOS OXO BRITE CHLORINE FREE

Formula number: 9751

Revision date: September 15, 2020



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

- Product Identifier
Trade Name: ECOS OXO BRITE CHLORINE FREE
Other Identifier: None
- Relevant identified uses of the substance or mixture and uses advised against:
 - Cleaning agent
 - Oxidizing agents
- Details of the supplier of the safety data sheet:
Manufacturer/Supplier:
Venus Laboratories dba Earth Friendly Products
11150 Hope Street
Cypress, CA
90630
Tel: (800)-841-3100
- Emergency telephone number:
Chemtrec: (800)-424-9300

2. HAZARDS IDENTIFICATION

- a. GHS Classification of the substance or mixture
 - i. Acute toxicity, Category 4 Oral
 - ii. Acute toxicity, Category 4 Dermal
 - iii. Serious Eye Damage/Eye irritation Category 1

- b. Label Elements

Hazard pictograms:



GHS Signal words:

- Warning

Hazard statements:

- a. H272 May intensify fire; oxidizer.
- b. H302 – Harmful if swallowed
- c. H312 – Harmful in contact with skin
- d. H318 – Causes serious eye damage

GHS Precautionary statements:

2. P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
3. P280 Wear protective gloves and eye protection/face protection.
4. P310 Immediately call a POISON CENTER or doctor/physician.
5. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
6. P330 Rinse mouth.
7. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS

a. Mixtures

Description of the mixture:

Chemical name	CAS No.	Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200, GHS	%
Sodium Carbonate Peroxyhydrate	15630-89-4	Ox. Sol. 2; H272 Acute Tox. 4; H302 Eye Dam. 1; H318	45-60 %
Sodium Carbonate	497-19-8	Eye Irrit. 2, H319	40-55 %

- Additional information:

For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

a. Description of first aid measures

General information:

No special measures required. Take affected persons out into the fresh air. Avoid contact with eyes.

After inhalation:

Seek medical treatment in case of complaints.

After skin contact:

Brush off. Wash skin with soap and water. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact:

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.

After swallowing:

Drink plenty of water and provide fresh air. Do not induce vomiting. If irritation or discomfort occurs, seek medical attention. Never give anything by mouth to an unconscious person.

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

c. Indication of any immediate medical attention and special treatment needed: No relevant information available.

5. FIRE FIGHTING MEASURES

a. Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

b. Special hazards arising from the substance or mixture: No relevant information available.

c. Advice for firefighters

Protective equipment:

Personnel should wear normal protective equipment and positive self-contained breathing apparatus

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system. If safe to do so, remove unaffected product to a safe area

6. ACCIDENTAL RELEASE MEASURES

a. Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away.

b. For emergency responders: Wear protective equipment. Keep unprotected persons away.

c. Environmental precautions: No special measures required.

d. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

e. Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

a. Precautions for safe handling:

No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

b. Conditions for safe storage, including any incompatibilities:

Storage:

Store in cool, dry conditions in well-sealed receptacles.

Requirements to be met by storerooms and receptacles:

Do not store in extreme temperatures.

Information about storage in one common storage facility:

Store separately from organics and reducing materials. Avoid contamination which may lead to decomposition

Further information about storage conditions:

None

c. Specific end use(s):

No further relevant information available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

- Occupational: Wear a NIOSH approved respirator for toxic dust with TLV >0.05 mg/m³ when exposed to irritating or excessive quantities of the dust.
- Additional information:
 - No further relevant information available.

Exposure controls (Personal protective equipment)

- General protective and hygienic measures:
 - The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection:
 - Not required under normal conditions of use.
- Protection of hands:
 - PVC or rubber gloves. Not required under normal conditions of use when dispensed from container.
- Eye protection:
 - If handling large volumes, wear eye protection. Eye protection not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

a. Information on basic physical and chemical properties

	Value
Appearance	Granular Powder Like
Physical State	Solid
Color	White
Odor	Characteristic
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Initial boiling point/boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not Flammable
Upper explosive limits	Not determined
Lower explosive limits	Not determined
Vapor pressure	Not determined

Vapor density	Not determined
Relative density	Not determined
Solubility(ies)	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidizing properties	Not determined

10. STABILITY AND REACTIVITY

- a. Reactivity:
 - i. Stable under normal conditions.
- b. Chemical stability:
 - Do not store at extreme temperatures.
 - Stable/ Heat or contamination can cause decomposition
- c. Possibility of hazardous reactions:
 - i. No dangerous reactions known.
- d. Conditions to avoid:
 - a. Do not store at extreme temperatures.
- e. Incompatible materials:
 - Avoid contact with acids, alkalis, and reducing agents.
 - Avoid contact with decomposition catalysts, such as metals and their salts.
 - Avoid contact with combustible and flammable material
- f. Hazardous decomposition products:
 - Decomposition produces heat and oxygen.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:	No data available.
ATE (Acute Toxicity Estimates):	Ingestion: LD50 1034 mg/kg -rat-sexes combined Inhalation: Excessive LC0, 1 hour, rat, >4580 mg/m3 Skin Contact: LD50 >2000 mg/kg -dermal, rabbit Eye Contact: Causes damage to the eyes. Effects may be delayed Comments: Toxic effect linked with irritant properties

LD50, Oral	No data available.
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Skin corrosion/irritation:

- No data available.

Serious eye damage/irritation:

- No data available.

Germ cell mutagenicity:

- No data available.

Carcinogenicity:

- Not recognized as a carcinogen by ACGIH, IARC, NTP, OSHA.

Reproductive toxicity:

- No data available.

STOT-single exposure:

- No data available.

STOT-repeated exposure:

- No data available.

Aspiration hazard :

- No data available.

12. ECOLOGICAL INFORMATION

i. Aquatic toxicity:

- Acute Fish: (Pimephales promelas): LC50(96h = 70.7 mg/L; NOEC, 96 hours, 1 mg/L
- Acute Crustaceans, Daphnia pulex: LC50(48h) = 4.9 mg/L; NOEC 48 hours, 1 mg/L

b. Persistence and degradability:

- Decomposes readily to sodium carbonate and hydrogen peroxide. The latter quickly decomposes to water and oxygen.

ii. Bioaccumulative potential:

1. Non-bioaccumuable

b. Mobility in soil:

- i. No further relevant information available.

c. Results of PBT and vPvB assessment

- i. PBT: No further relevant information available.
- ii. vPvB: No further relevant information available.

d. Other adverse effects:

- i. No further relevant information available.

13. DISPOSAL CONSIDERATIONS

a. Waste treatment methods recommendation:

Dispose according to National Regulations. Contact manufacturer for recycling information.

Uncleaned packaging: Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

14. TRANSPORT INFORMATION

DOT (U.S. Department of Transportation)

- In Consumer Packaging:
 - Proper Shipping Name: CONSUMER COMMODITY
 - Hazard Class: ORM-D
 - Description: CONSUMER COMMODITY, ORM-D
 - Emergency Response Guide: 140
 - Hazard Identification Number: 3378
- OTHER THAN CONSUMER PACKAGING:
 - ID NUMBER: UN 3378
 - PROPER SHIPPING NAME: SODIUM CARBONATE PEROXYHYDRATE
 - HAZARD CLASS: 5.1
 - PACKING GROUP: II
 - LABEL STATEMENTS: Oxidizer 5.1

IATA (International Air Transport Association)

- ID NUMBER: UN 3378
- PROPER SHIPPING NAME: SODIUM CARBONATE PEROXYHYDRATE
- HAZARD CLASS: 5.1
- PACKING GROUP: II
- LABEL STATEMENTS: Oxidizer 5.1
- MARINE POLLUTANT: NO
- CARGO AIRCRAFT LIMIT: 25 KG
- PASSENGER AIRCRAFT LIMIT: 5 KG

IMDG (International Maritime Dangerous Goods)

- ID NUMBER: UN 3378
- PROPER SHIPPING NAME: SODIUM CARBONATE PEROXYHYDRATE
- HAZARD CLASS: 5.1
- PACKING GROUP: II
- LABEL STATEMENTS: Oxidizer 5.1
- MARINE POLLUTANT: NO

15. REGULATORY INFORMATION

- a. TSCA Inventory List:
 - i. YES
- b. CERCLA Hazardous Substance (40 CFR part 302):
 - i. Listed Substance: NO
 - ii. Unlisted Substance: Yes
 - iii. Reportable quantity: 100 Pounds;
 - iv. Characteristics: Ignitability;
 - v. RCRA Waste Number: D001
- c. SARA, Title III:
 - i. Section 302/303 extremely hazardous substance: NO

- ii. Section 311/312: Hazardous Category: Immediate health hazard; Fire hazard; Threshold planning quantity: 10,000 pounds
- iii. Section 313 Extremely Hazardous Substance : NO

16. OTHER INFORMATION

HMIS® Rating: Health -2 Flammability -0 Reactivity -1

HMIS is a registered trademark of the National Paint and Coating Association

NFPA® Rating: Health -2 Flammability -0 Reactivity -1 Special hazards -OX

NFPA is a registered trademark of the National Fire Protection Association

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

Training hints:

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.