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

1.1 Product identifier

Trade name: ECOS Oxo Brite

Description / Product Code: 9751

Registration number: Substances contained in the mixture have already (pre)-registered by the suppliers.

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

No further relevant information available.

Application of the substance / the mixture: Cleaning Product/ Detergent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Venus Labs/dba Earth Friendly Products
111. S Rohlwing Rd Addison, IL 60101
Phone: 800-451-9304
Chemtrec: 800-424-9300

1.4 Emergency telephone number:

Emergency telephone number: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:

- GHS03 flame over circle
- Ox. Sol. 3  H272  May intensify fire; oxidiser.
- GHS07

Eye Irrit. 2  H319  Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:
The product is classified and labelled according to the CLP regulation.
Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date: 10.09.2016
Version number: 1
Revision: 10.09.2016

Trade name: ECOS Oxo Brite

Hazard pictograms:
- GHS03
- GHS07

Signal word: Warning

Hazard statements:
- H272 May intensify fire; oxidiser.
- H319 Causes serious eye irritation.

Precautionary statements
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: National Poisoning Centre

Regulation (EC) No 648/2004 on detergents / Labelling for contents
- oxygen-based bleaching agents 5 - 15%

2.3 Other hazards
Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Ingredients according Regulation (EU) 830/2015:

| CAS: 497-19-8 | sodium carbonate |
| CAS: 15630-89-4 | disodium carbonate, compound with hydrogenperoxide (2:3) |

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Take affected persons out into the fresh air.
Seek immediate medical advice.

**After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
Seek medical treatment in case of complaints.

**After skin contact:** In case of skin irritation, consult a physician.

**After eye contact:** Avoid strong water jet-risk of cornea damage, consult a doctor.

**After swallowing:**
Drink plenty of water and provide fresh air. Call for a doctor immediately.
Seek medical treatment in case of complaints.
Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**

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

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

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

**6.1.2 For emergency responders** Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Send for recovery or disposal in suitable receptacles.

**6.4 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.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**
No special measures required.
Open and handle receptacle with care.
Prevent formation of dust.
**Trade name:** ECOS Oxo Brite

---

### Information about fire - and explosion protection

Keep respiratory protective device available.

### 7.2 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:**
- Store in a cool location.
- Suitable material for receptacles and pipes: lead.

**Information about storage in one common storage facility:** Store away from flammable substances.

**Further information about storage conditions:**
- Keep container tightly sealed.
- Do not seal receptacle gas tight.
- Protect from heat and direct sunlight.
- Store receptacle in a well ventilated area.

### 7.3 Specific end use(s)

No further relevant information available.

---

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### 8.2 Exposure controls

**Personal protective equipment**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.

**Respiratory protection:** Not necessary if room is well-ventilated.

**Protection of hands:**

- **Protective gloves**

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye protection:**

- Tightly sealed goggles
### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**General Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td></td>
</tr>
<tr>
<td>Form</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Not determined</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>pH value at 20 °C:</strong></td>
<td>10.5-11</td>
</tr>
<tr>
<td><strong>Melting point/Melting range:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>Not Flammable</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Self-igniting:</strong></td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
<td>Product does not present an explosion hazard.</td>
</tr>
</tbody>
</table>

**Explosion limits:**

- **Lower:** Not determined
- **Upper:** Not determined

**Oxidising properties:** Oxidising Category 3

**Vapour pressure:** Not applicable

**Density:** Not determined

**Relative density:** Not determined

**Vapour density:** Not applicable

**Evaporation rate:** Not applicable

**Solubility in / Miscibility with water:** Insoluble

**Partition coefficient (n-octanol/water):** Not determined

**Viscosity:**

- **Dynamic:** Not applicable
- **Kinematic:** Not applicable
SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions
10.2 Chemical stability Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided
To avoid thermal decomposition do not overheat.
Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.
10.4 Conditions to avoid Avoid heat, sparkles, naked flame or other sources of ignition.
10.5 Incompatible materials Flammable substances
10.6 Hazardous decomposition products No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50/ LC50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>16677 mg/kg (rat)</td>
</tr>
</tbody>
</table>

497-19-8 sodium carbonate

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>4090 mg/kg (rat)</td>
</tr>
</tbody>
</table>

15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>1034 mg/kg (rat)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.
Trade name: ECOS Oxo Brite

12.4 Mobility in soil  No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects  No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation

Dispose according to National Regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA  UN1479

14.2 UN proper shipping name
ADR
IMDG, IATA  1479 OXIDIZING SOLID, N.O.S.
OXIDIZING SOLID, N.O.S.

14.3 Transport hazard class(es)
ADR, IMDG, IATA

Class  5.1 Oxidising substances.
Label  5.1

14.4 Packing group
ADR, IMDG, IATA  III

14.5 Environmental hazards:  Not applicable.
### TRADE NAME: ECOS Oxo Brite

#### 14.6 Special precautions for user

**Warning:** Oxidising substances.

**Danger code (Kemler):** 50

**EMS Number:** F-A,S-Q

**Stowage Category:** B

**Segregation Code:**
- SG38 Stow "separated from" ammonium compounds.
- SG49 Stow "separated from" cyanides
- SG60 Stow "separated from" peroxides
- SG61 Stow "separated from" powdered metals

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

**Transport/Additional information:** Not applicable.

**Transport in bulk according to Annex II of Marpol and the IBC Code**

**ADR**
- **Limited quantities (LQ):** 5 kg
- **Excepted quantities (EQ):** Code: E1
  - Maximum net quantity per inner packaging: 30 g
  - Maximum net quantity per outer packaging: 1000 g

**IMDG**
- **Limited quantities (LQ):** 5 kg
- **Excepted quantities (EQ):** Code: E1
  - Maximum net quantity per inner packaging: 30 g
  - Maximum net quantity per outer packaging: 1000 g

**UN "Model Regulation":** UN 1479 OXIDIZING SOLID, N.O.S., 5.1, III

### SECTION 15: Regulatory information

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

**Detergent Regulation No. 648/2004/EC**

**CLP Regulation No. 1272/2008/EC**

**Regulation (EU) 2015/830**

**Regulation REACH (EC) 1907/2006**

Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered.

**Directive 98/24/EC** on the protection of health and safety of workers from the risks related to chemicals agents at work.

**Council Directive 94/33/EC** on the protection of young people at work, as ammended.

**Directive 92/85/EEC** on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended.
Trade name: ECOS Oxo Brite

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category P8 OXIDISING LIQUIDS AND SOLIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57
It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

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.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Trade name: ECOS Oxo Brite

Ox. Sol. 3: Oxidizing solids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

(Contd. of page 9)