

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date: 03.06.2016

Revision: 03.06.2016

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

### 1.1 Product identifier

Trade name: **Oxy Power Bleach v.1**

Article number: 100050; 210050; 1005078

**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:** Laundry oxygen bleach

### 1.3 Details of the supplier of the Safety Data Sheet

#### Manufacturer/Supplier:

Theochem Laboratories  
7373 Rowlett Park Drive  
Tampa, FL 33610  
Phone: 813-237-6463



### 1.4 Emergency telephone number:

ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H360Df.

The following classifications are applicable only to OSHA (USA) regulations and not the specific CLP regulation: H360.

Repr. 1 H360: May damage fertility or the unborn child

Acute Tox. 4 H302 Harmful if swallowed.

Eye Dam. 1 H318 Causes serious eye damage.

Repr. 1B H360Df May damage the unborn child. Suspected of damaging fertility.

STOT SE 3 H335 May cause respiratory irritation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the Globally Harmonized System within the United States.

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS05 GHS07 GHS08

**Signal word** Danger

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- **Hazard-determining components of labelling:**

sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm)

- **Hazard statements**

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H360Df.

The following classifications are applicable only to OSHA (USA) regulations and not the specific CLP regulation: H360.

H360: May damage fertility or the unborn child.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H360Df May damage the unborn child. Suspected of damaging fertility.

H335 May cause respiratory irritation.

- **Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P330 Rinse mouth.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Restricted to professional users.

- **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 0

This substance possesses oxidizing properties.

- **HMIS-ratings (scale 0 - 4)**



Health = \*2

Fire = 3

Reactivity = 0

\* - Indicates a long term health hazard from repeated or prolonged exposures.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

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· vPvB: Not applicable.

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## SECTION 3: Composition/information on ingredients

### · 3.2 Mixtures

#### · Components:

CAS: 533-96-0 EINECS: 208-580-9	trisodium hydrogencarbonate ⚠ Eye Irrit. 2, H319	50-100%
CAS: 7632-04-4 EINECS: 231-556-4 Index number: 005-017-00-7	sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm) ⚠ Ox. Sol. 2, H272 ⚠ Repr. 1B, H360Df ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; STOT SE 3, H335	10-25%

#### · SVHC

7632-04-4	sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm)
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#### · Additional information:

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and/or exact percentages are being withheld as a trade secret.

## SECTION 4: First aid measures

### · 4.1 Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

#### · **After skin contact:**

Clean with water and soap.

If skin irritation continues, consult a doctor.

#### · **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### · **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

### · 4.2 Most important symptoms and effects, both acute and delayed

Coughing

Irritating to eyes.

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

#### · **Hazards:**

Causes serious eye damage.

Harmful if swallowed.

### · 4.3 Indication of any immediate medical attention and special treatment needed

Contains borates.

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If necessary oxygen respiration treatment.

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## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Use personal protective equipment as required.  
Product forms slippery surface when combined with water.
- **6.2 Environmental precautions** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up**  
Pick up mechanically.  
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**  
Prevent formation of dust.  
Any unavoidable deposit of dust must be regularly removed.  
Use only in well ventilated areas.  
Avoid breathing dust.  
Keep out of reach of children.
- **Information about fire - and explosion protection:**  
Avoid dust cloud formation. Keep ignition sources away. No smoking.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.

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Protect from humidity and water.

- **Information about storage in one common storage facility:**

Store away from reducing agents.

Store away from flammable substances.

Store away from foodstuffs.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

This product is hygroscopic.

- **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.

- **DNELs:** No further relevant information available.

- **PNECs:** No further relevant information available.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale dust / smoke / mist.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Pregnant women should strictly avoid inhalation or skin contact.

- **Respiratory protection:**

Not required under normal conditions of use.

For spills, respiratory protection may be advisable.

Particulate mask should filter at least 99% of airborne particles.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **For the permanent contact gloves made of the following materials are suitable:**

Butyl rubber, BR

Neoprene gloves

Nitrile rubber, NBR

- **Eye protection:**



Safety glasses

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Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

· **Limitation and supervision of exposure into the environment:**

No further relevant information available.

· **Risk management measures:** See Section 7 for additional information.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **Appearance**

Form: Powder

Colour: White

· **Odour:** Odourless

· **Odour threshold:** Not determined.

· **pH-value:** 9,8-10,5 (1% solution)

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Contact with combustible material may cause fire.

· **Auto/Self-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Not determined.

· **Explosion limits**

Lower: Not determined.

Upper: Not determined.

· **Oxidising properties** Contains oxidizing agent.

· **Vapour pressure:** Not applicable.

· **Density:** 0,70-0,85 g/cm<sup>3</sup> (5,842-7,093 lbs/gal)

· **Relative density:** Not determined.

· **Vapour density:** Not applicable.

· **Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with water:** Soluble.

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

· **Viscosity**

Dynamic: Not applicable.

Kinematic: Not applicable.

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**9.2 Other information**

No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with acids.  
Reacts with organic substances.  
Reacts with reducing agents.  
As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.
- **10.4 Conditions to avoid**  
Excessive heat.  
Moisture.
- **10.5 Incompatible materials** Strong acids
- **10.6 Hazardous decomposition products** Carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**  
Harmful if swallowed.
- **LD/LC50 values relevant for classification:** None.
- **Primary irritant effect**
- **Skin corrosion/irritation:** Slight irritant effect on skin and mucous membranes.
- **Serious eye damage/irritation:**  
Causes serious eye damage.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer):**  
None of the ingredients are listed.
- **NTP (National Toxicology Program):**  
None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety & Health Administration):**  
None of the ingredients are listed.
- **Probable routes of exposure:**  
Ingestion.  
Inhalation  
Eye contact.

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Skin contact.

- **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:**  
May damage the unborn child. Suspected of damaging fertility.
- **STOT-single exposure:**  
May cause respiratory irritation.
- **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** Biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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**  
Smaller quantities can be disposed of with household waste.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, IMDG, IATA** Not Regulated

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- |  |                 |
|--|-----------------|
| <b>· 14.2 UN proper shipping name</b>  |                 |
| · DOT, ADR, IMDG, IATA   | Not Regulated   |
| <b>· 14.3 Transport hazard class(es)</b>   |                 |
| · DOT, ADR, IMDG, IATA   |                 |
| · Class  | Not Regulated   |
| <b>· 14.4 Packing group</b>  |                 |
| · DOT, ADR, IMDG, IATA   | Not Regulated   |
| <b>· 14.5 Environmental hazards:</b>   |                 |
| · Marine pollutant:  | No              |
| <b>· 14.6 Special precautions for user</b>                                       | Not applicable. |
| <b>· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |

## SECTION 15: Regulatory information

- |  |  |
|--|--|
| <b>· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |  |
| · United States (USA)  |  |
| · SARA   |  |
| <b>· Section 355 (extremely hazardous substances):</b>   |  |
| None of the ingredients are listed.  |  |
| <b>· Section 313 (Specific toxic chemical listings):</b>   |  |
| None of the ingredients are listed.  |  |
| <b>· TSCA (Toxic Substances Control Act):</b>  |  |
| All ingredients are listed.  |  |
| <b>· Proposition 65 (California):</b>  |  |
| <b>· Chemicals known to cause cancer:</b>  |  |
| None of the ingredients are listed.  |  |
| <b>· Chemicals known to cause reproductive toxicity for females:</b>   |  |
| None of the ingredients are listed.  |  |
| <b>· Chemicals known to cause reproductive toxicity for males:</b>   |  |
| None of the ingredients are listed.  |  |
| <b>· Chemicals known to cause developmental toxicity:</b>  |  |
| None of the ingredients are listed.  |  |

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· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

7632-04-4	sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm)	I (oral)
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· **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

7632-04-4	sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm)
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· **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.  
 H335 May cause respiratory irritation.  
 H360Df May damage the unborn child. Suspected of damaging fertility.

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 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)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 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  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health

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Ox. Sol. 2: Oxidizing solids – Category 2  
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  
Repr. 1B: Reproductive toxicity – Category 1B  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Sources**

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))  
Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sor-internet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sor-internet/registry/substreg/home/overview/home.do))  
Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))  
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6  
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.  
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