SAFETY DATA SHEET

Clorox® Clean-Up® Cleaner with Bleach - US


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

1.1. Product identifier

Product name Clorox® Clean-Up® Cleaner with Bleach - US

Product number CX01204US, CX01151US

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

Identified uses Bleach

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier CBee (Europe) Ltd.

Eton House
2nd Floor
18 - 24 Paradise Road
Richmond
TW9 1SE
UK
Tel: + 44 (0) 208 614 7120
Fax: + 44 (0) 208 940 2040
consumerservices@clorox.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 208 614 7120

Monday - Thursday:- 09:00 - 17:30
Friday:- 09:00 - 17:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Not Classified

Health hazards
Eye Irrit. 2 - H319

Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC)
Xi; R36

2.2. Label elements

Pictogram

Signal word Warning

1/13
**Clorox® Clean-Up® Cleaner with Bleach - US**

**Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

P102 Keep out of reach of children.  
P264 Wash contaminated skin thoroughly after handling.  
P280 Wear eye and face protection.  
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.

**Supplemental label information**

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

Contains Sodium hypochlorite, solution 2.18 % Cl active  

Detergent labelling < 5% chlorine-based bleaching agents, < 5% perfumes

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS number</th>
<th>EC number</th>
<th>M factor (Acute)</th>
<th>% Cl active</th>
<th>Classification (67/548/EEC or 1999/45/EC)</th>
</tr>
</thead>
</table>
| Sodium hypochlorite, solution | 7681-52-9 | 231-668-3 | 10 | 2.18% | Skin Corr. 1B - H314  
Eye Dam. 1 - H318  
Aquatic Acute 1 - H400  
C; R34. N; R50. R31 |
| sodium hydroxide | 1310-73-2 | 215-185-5 |  | 0.5 - <1% | Skin Corr. 1A - H314  
Eye Dam. 1 - H318  
C; R35 |
| Dodecyldimethylamine oxide | 1643-20-5 | 216-700-6 | 1 | 0.025 - <0.25% | Skin Irrit. 2 - H315  
Eye Dam. 1 - H318  
Aquatic Acute 1 - H400  
Xi; R41, R38. N; R50 |
Clorox® Clean-Up® Cleaner with Bleach - US

<table>
<thead>
<tr>
<th>bornan-2-one</th>
<th>&lt;0.025%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 76-22-2</td>
<td>EC number: 200-945-0</td>
</tr>
</tbody>
</table>

Classification (67/548/EEC or 1999/45/EC)
- Flam. Sol. 2 - H228
- Acute Tox. 4 - H332
- STOT SE 2 - H371

Classification (67/548/EEC or 1999/45/EC)
- Flam. Liq. 2 - H225
- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319
- Muta. 1B - H340
- Carc. 1A - H350
- STOT RE 1 - H372
- Asp. Tox. 1 - H304

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion
Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Skin contact
Wash skin thoroughly with soap and water.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation
Irritation of nose, throat and airway.

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged skin contact may cause redness and irritation.

Eye contact
Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

<0.025%
Clorox® Clean-Up® Cleaner with Bleach - US

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products**

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

**Special protective equipment for firefighters**

Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

**Environmental precautions**

Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**

Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

**Reference to other sections**

See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

**Usage precautions**

Read and follow manufacturer's recommendations.

**Advice on general occupational hygiene**

Avoid contact with eyes and prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**

Store in a cool and well-ventilated place.

7.3. Specific end use(s)

**Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

**Occupational exposure limits**
sodium hydroxide
Short-term exposure limit (15-minute): WEL 2 mg/m³

bornan-2-one
Long-term exposure limit (8-hour TWA): WEL 2 ppm 13 mg/m³
Short-term exposure limit (15-minute): WEL 3 ppm 19 mg/m³

Benzene
Long-term exposure limit (8-hour TWA): WEL 1 ppm 3.25 mg/m³
Carc, Sk
WEL = Workplace Exposure Limit
Carc = Capable of causing cancer and/or heritable genetic damage.
Sk = Can be absorbed through the skin.

8.2. Exposure controls

Eye/face protection
Wear chemical splash goggles.

Hand protection
No specific hand protection recommended.

Hygiene measures
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid.

Colour
Yellowish.

Odour
Citrus. Bleach.

Odour threshold
Not determined.

pH
pH (concentrated solution): 12.4 - 12.8

Melting point
Not relevant.

Initial boiling point and range
Not determined.

Flash point
> 93°C CC (Closed cup).

Evaporation rate
Not determined.

Evaporation factor
Not determined.

Flammability (solid, gas)
Not relevant.

Upper/lower flammability or explosive limits
Not relevant.

Vapour pressure
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Not determined.

Vapour density
Not relevant.

Relative density
\(~ 1.03\)

Bulk density
Not determined.

Partition coefficient
Not determined.

Auto-ignition temperature
Not relevant.

Decomposition Temperature
Not relevant.

Viscosity
Not determined.

Explosive properties
Not considered to be explosive.

Oxidising properties
The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other Information
No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Will not polymerise.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products
None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

Animal data

Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

Eye Irrit. 2 - H319 May cause severe eye irritation.

**Respiratory sensitisation**

Based on available data the classification criteria are not met.

**Skin sensitisation**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity**

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

STOT - single exposure

Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure

Based on available data the classification criteria are not met.

**Aspiration hazard**

Not anticipated to present an aspiration hazard, based on chemical structure.

**Toxicological information on ingredients.**

*Sodium hypochlorite, solution ... % Cl active*

**Acute toxicity - oral**

Acute toxicity oral (LD50 mg/kg)

8,830.0

Species

Rat

REACH dossier information. Based on available data the classification criteria are not met.

ATE oral (mg/kg)

8,830.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD50 mg/kg)

20000.0

Species

Rabbit

REACH dossier information. Based on available data the classification criteria are not met.
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ATE dermal (mg/kg)
20000.0

**Acute toxicity - inhalation**
Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

**Animal data**
Dose: 5.3%, 4 hours, Rabbit Primary dermal irritation index: 1.2 Dose: 0.5 ml (12.5%), 24 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Corrosive to skin.

**Serious eye damage/irritation**
Dose: 0.1 g, 1 second, Rabbit REACH dossier information. Corrosivity to eyes is assumed.

**Skin sensitisation**
Buehler test - Guinea pig: Not sensitising. REACH dossier information.

**Germ cell mutagenicity**

**Genotoxicity - in vitro**
Chromosome aberration: Negative. REACH dossier information.

**Genotoxicity - in vivo**
Chromosome aberration: Negative. REACH dossier information.

**Carcinogenicity**
NOAEL > 13.75 mg/kg/day, Oral, Rat REACH dossier information.

**IARC carcinogenicity**
IARC Group 3   Not classifiable as to its carcinogenicity to humans.

**Reproductive toxicity**

**Reproductive toxicity - fertility**
One-generation study - NOAEL > 5 mg/kg/day, Oral, Rat P REACH dossier information.

**Reproductive toxicity - development**
Teratogenicity: - NOAEL: >=5.7 mg/kg/day, Oral, Rat REACH dossier information.

**Specific target organ toxicity - repeated exposure**
LOAEL 100 mg/kg/day, Oral, Rat REACH dossier information.

**Aspiration hazard**
Not anticipated to present an aspiration hazard, based on chemical structure.

- **sodium hydroxide**

**Skin corrosion/irritation**

**Animal data**
Skin Corr. 1A - H314

**Serious eye damage/irritation**
Dose: 0.1 ml (2%), 1 second, Rabbit REACH dossier information.

**Skin sensitisation**
Patch test - Human: Not sensitising. REACH dossier information.

**Aspiration hazard**
Not anticipated to present an aspiration hazard, based on chemical structure.
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Dodecyldimethylamine oxide

Skin corrosion/irritation
Animal data
Skin Irrit. 2 - H315

Skin Irrit. 2 - H315

Serious eye damage/irritation
Eye Dam. 1 - H318

bornan-2-one

Acute toxicity - inhalation
Converted acute toxicity point estimate (cATpE) Acute Tox. 4 - H332 Harmful by inhalation.

ATE inhalation (dusts/mists mg/l)
1.5

Germ cell mutagenicity
Genotoxicity - in vitro
Gene mutation: Negative. REACH dossier information.

Specific target organ toxicity - single exposure

STOT - single exposure
STOT SE 2 - H371 May cause damage to organs.

SECTION 12: Ecological Information

12.1. Toxicity
Not considered toxic to fish.
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Ecological information on ingredients.

Sodium hypochlorite, solution ... % Cl active

Acute aquatic toxicity

LE(C)₅₀
0.01 < L(E)C50 ≤ 0.1

M factor (Acute)
10

Acute toxicity - fish
LC₅₀, 96 hours: 0.032 mg/l, Oncorhynchus kisutch (Coho salmon) REACH dossier information.

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 0.141 mg/l, Daphnia magna REACH dossier information.

Acute toxicity - microorganisms
EC₅₀, 3 hours: > 3 mg/l, Activated sludge REACH dossier information.

Acute toxicity - terrestrial
NOEC, 10 days: 200 mg/l, Coturnix coturnix japonica (Japanese quail) REACH dossier information.

Chronic toxicity - fish early life stage
NOEC, 28 days: 0.04 mg/l, Menidia peninsulae (Tidewater silverside) REACH dossier information.

Chronic toxicity - aquatic invertebrates
NOEC, 15 days: 0.007 mg/l, Freshwater invertebrates REACH dossier information.

sodium hydroxide

Acute toxicity - fish
LC₅₀, 48 hours: 189 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 40.4 mg/l, Ceriodaphnia REACH dossier information. QSAR.

Dodecyldimethylamine oxide

Acute aquatic toxicity

LE(C)₅₀
0.1 < L(E)C50 ≤ 1

M factor (Acute)
1

boman-2-one

Acute toxicity - aquatic invertebrates
LC₅₀, 48 hours: 9.303 mg/l, Daphnia magna REACH dossier information. QSAR.

Acute toxicity - aquatic plants
EC₅₀, 96 hours: 6.951 mg/l, Algae REACH dossier information. QSAR.

Acute toxicity - microorganisms
EC₅₀, 3 hours: > 100 mg/l, Activated sludge REACH dossier information.

12.2. Persistence and degradability

Persistence and degradability
The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.
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**Ecological information on ingredients.**

**Sodium hypochlorite, solution ... % Cl active**

**Phototransformation**
Air - $DT_{50}$ : 114.6 days Estimated value. Water - $DT_{50}$ : 12 minutes REACH dossier information.

**Dodecyldimethylamine oxide**

**Persistence and degradability**
The product is readily biodegradable.

**bornan-2-one**

**Biodegradation**
Water - Degradation (77%): 28 days REACH dossier information. The substance is readily biodegradable.

**12.3. Bioaccumulative potential**

No data available on bioaccumulation.

**Partition coefficient**
Not determined.

**Ecological information on ingredients.**

**Sodium hypochlorite, solution ... % Cl active**

**Partition coefficient**
log Pow: -3.42 Estimated value. REACH dossier information.

**sodium hydroxide**

The product is not bioaccumulating.

**bornan-2-one**

**Partition coefficient**
log Pow: 2.414 REACH dossier information.

**12.4. Mobility in soil**

**Mobility**
The product is soluble in water.

**Ecological information on ingredients.**

**Sodium hypochlorite, solution ... % Cl active**

**Henry's law constant**
0.076 @ 20°C Estimated value. REACH dossier information.

**Surface tension**
82.4 mN/m @ 20°C REACH dossier information.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**

Not relevant.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**General information**
Dispose of waste product or used containers in accordance with local regulations

**SECTION 14: Transport information**
Clorox® Clean-Up® Cleaner with Bleach - US

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

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

National regulations
EH40/2005 Workplace exposure limits.

EU legislation

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008
Eye Irrit. 2 - H319: On basis of test data.

Revision comments
Classification according to CLP Annex I.

Revision date 04/05/2014
Revision 4
Supersedes date 01/03/2014
SDS number 176
Risk phrases in full

12/13
Clorox® Clean-Up® Cleaner with Bleach - US

R11 Highly flammable.
R20 Harmful by inhalation.
R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R45 May cause cancer.
R46 May cause heritable genetic damage.
R48/23/24/25 Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R50 Very toxic to aquatic organisms.
R65 Harmful: may cause lung damage if swallowed.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H228 Flammable solid.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H340 May cause genetic defects.
H350 May cause cancer.
H371 May cause damage to organs.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.

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