

**SAFETY DATA SHEET****Clorox® Clean-Up® Cleaner with Bleach - US**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

**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

**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**

&lt; 5% chlorine-based bleaching agents, &lt; 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**

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

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<b>bornan-2-one</b> <span style="float: right;"><b>&lt;0.025%</b></span>	
<b>CAS number:</b> 76-22-2 <b>EC number:</b> 200-945-0	
<b>Classification</b> Flam. Sol. 2 - H228 Acute Tox. 4 - H332 STOT SE 2 - H371	<b>Classification (67/548/EEC or 1999/45/EC)</b> F; R11. Xn; R20, R68/20/21/22
<b>Benzene</b> <span style="float: right;"><b>&lt;0.025%</b></span>	
<b>CAS number:</b> 71-43-2 <b>EC number:</b> 200-753-7	
<b>Classification</b> 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	<b>Classification (67/548/EEC or 1999/45/EC)</b> F; R11. T; R48/23/24/25. Xn; R65. Xi; R36/38. Carc. Cat. 1 R45. Muta. Cat. 2 R46

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

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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

**Clorox® Clean-Up® Cleaner with Bleach - US****sodium hydroxide**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

**bornan-2-one**

Long-term exposure limit (8-hour TWA): WEL 2 ppm 13 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 3 ppm 19 mg/m<sup>3</sup>

**Benzene**

Long-term exposure limit (8-hour TWA): WEL 1 ppm 3.25 mg/m<sup>3</sup>

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**

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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.

**Clorox® Clean-Up® Cleaner with Bleach - US****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 &gt; 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 &gt; 5 mg/kg/day, Oral, Rat P REACH dossier information.

**Reproductive toxicity - development**

Teratogenicity: - NOAEL: &gt;=5.7 mg/kg/day, Oral, Rat REACH dossier information.

**Specific target organ toxicity - repeated exposure****STOT - 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.



**Clorox® Clean-Up® Cleaner with Bleach - US****Dodecyldimethylamine oxide****Skin corrosion/irritation****Animal data**

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 .

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**SECTION 12: Ecological Information**

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**12.1. Toxicity**

Not considered toxic to fish.

**Clorox® Clean-Up® Cleaner with Bleach - US****Ecological information on ingredients.****Sodium hypochlorite, solution ... % Cl active****Acute aquatic toxicity****LE(C)<sub>50</sub>**0.01 < L(E)C<sub>50</sub> ≤ 0.1**M factor (Acute)**

10

**Acute toxicity - fish**LC<sub>50</sub>, 96 hours: 0.032 mg/l, Oncorhynchus kisutch (Coho salmon) REACH dossier information.**Acute toxicity - aquatic invertebrates**EC<sub>50</sub>, 48 hours: 0.141 mg/l, Daphnia magna REACH dossier information.**Acute toxicity - microorganisms**EC<sub>50</sub>, 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**LC<sub>50</sub>, 48 hours: 189 mg/l, Leuciscus idus (Golden orfe)**Acute toxicity - aquatic invertebrates**EC<sub>50</sub>, 48 hours: 40.4 mg/l, Ceriodaphnia REACH dossier information.**Dodecyldimethylamine oxide**

Aquatic Acute 1 - H400

**Acute aquatic toxicity****LE(C)<sub>50</sub>**0.1 < L(E)C<sub>50</sub> ≤ 1**M factor (Acute)**

1

**borman-2-one****Acute toxicity - aquatic invertebrates**LC<sub>50</sub>, 48 hours: 9.303 mg/l, Daphnia magna REACH dossier information. QSAR.**Acute toxicity - aquatic plants**EC<sub>50</sub>, 96 hours: 6.951 mg/l, Algae REACH dossier information. QSAR.**Acute toxicity - microorganisms**EC<sub>50</sub>, 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.

**Clorox® Clean-Up® Cleaner with Bleach - US****Ecological information on ingredients.****Sodium hypochlorite, solution ... % Cl active****Phototransformation**

Air - DT<sub>50</sub> : 114.6 days Estimated value. Water - DT<sub>50</sub> : 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**

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended)  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**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**

**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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