



# Concentrated CLORALEN Disinfectant Bleach

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 01/11/2024 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Concentrated CLORALEN Disinfectant Bleach  
Product code : 6050648

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Bleaching agent

#### 1.3. Supplier

AlEn del Norte, S.A. de C.V.  
Blvd. Gustavo Díaz Ordaz 1000  
Los Treviño  
Santa Catarina, N.L., 66150  
México  
T 81221000/ 800 424 9300  
[www.grupoalen.com](http://www.grupoalen.com)

#### 1.4. Emergency telephone number

Emergency number : Mexico: 800.8343.300 – 24 Hrs. / U.S: 800.424.9300 – 24 Hrs.

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|   |      |                               |
|---|------|-------------------------------|
| Skin corrosion/irritation Category 2          | H315 | Causes skin irritation        |
| Serious eye damage/eye irritation Category 2A | H319 | Causes serious eye irritation |
| Full text of H statements : see section 16    |      |                               |

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

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### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                | Product identifier | %      |
|---------------------|--------------------|--------|
| Sodium Hypochlorite | CAS-No.: 7681-52-9 | 5 – 10 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center/doctor/physician if you feel unwell.  |

### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |                   |
|-------------------------------------|-------------------|
| Symptoms/effects after skin contact | : Irritation.     |
| Symptoms/effects after eye contact  | : Eye irritation. |

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

### 5.2. Specific hazards arising from the chemical

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

### 5.3. Special protective equipment and precautions for fire-fighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

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

|   |                              |
|---|------------------------------|
| Physical state                                  | : Liquid                     |
| Appearance                                      | : Liquid.                    |
| Color   | : Light yellow to colourless |
| Odor  | : Characteristic odour       |
| Odor threshold                                  | : No data available          |
| pH  | : 12.1 – 13.8                |
| Melting point                                   | : Not applicable             |
| Freezing point                                  | : No data available          |
| Boiling point                                   | : No data available          |
| Flash point                                     | : No data available          |
| Relative evaporation rate (butyl acetate=1)     | : No data available          |
| Flammability (solid, gas)                       | : Not applicable.            |
| Vapor pressure                                  | : No data available          |
| Relative vapor density at 20°C                  | : No data available          |
| Relative density                                | : No data available          |
| Density   | : 1.105 – 1.121 g/ml         |
| Solubility                                      | : Soluble in water.          |
| Partition coefficient n-octanol/water (Log Pow) | : No data available          |
| Auto-ignition temperature                       | : No data available          |
| Decomposition temperature                       | : No data available          |
| Viscosity, kinematic                            | : No data available          |
| Viscosity, dynamic                              | : No data available          |
| Explosion limits                                | : No data available          |
| Explosive properties                            | : No data available          |
| Oxidizing properties                            | : No data available          |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Sodium Hypochlorite (7681-52-9)

|                                 |  |
|---------------------------------|--|
| LD50 oral rat                   | 1100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)          |
| LD50 dermal rabbit              | > 20000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other: |
| LC50 Inhalation - Rat (Vapours) | > 10.5 mg/l  |
| ATE US (oral)                   | 1100 mg/kg body weight   |

Skin corrosion/irritation : Causes skin irritation.  
pH: 12.1 – 13.8

#### Sodium Hypochlorite (7681-52-9)

|    |                  |
|----|------------------|
| pH | 9 – 10 (4 - 7 %) |
|----|------------------|

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 12.1 – 13.8

#### Sodium Hypochlorite (7681-52-9)

|    |                  |
|----|------------------|
| pH | 9 – 10 (4 - 7 %) |
|----|------------------|

Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

#### Sodium Hypochlorite (7681-52-9)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

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|                        |                     |
|------------------------|---------------------|
| Reproductive toxicity  | : Not classified    |
| STOT-single exposure   | : Not classified    |
| STOT-repeated exposure | : Not classified    |
| Aspiration hazard      | : Not classified    |
| Viscosity, kinematic   | : No data available |

### Sodium Hypochlorite (7681-52-9)

|                      |                                     |
|----------------------|-------------------------------------|
| Viscosity, kinematic | No data available in the literature |
|----------------------|-------------------------------------|

|                                     |                   |
|-------------------------------------|-------------------|
| Symptoms/effects after skin contact | : Irritation.     |
| Symptoms/effects after eye contact  | : Eye irritation. |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |  |
|-------------------|--|
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
|-------------------|--|

### Sodium Hypochlorite (7681-52-9)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 0.033 – 0.097 mg/l Source: International Uniform Chemical Information Database  |
| EC50 - Crustacea [1] | 141 µg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2] | 35 µg/l Test organisms (species): Ceriodaphnia dubia  |
| EC50 72h - Algae [1] | 0.0365 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 0.0183 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

### 12.2. Persistence and degradability

### Sodium Hypochlorite (7681-52-9)

|                               |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
|-------------------------------|-----------------------------------|

### 12.3. Bioaccumulative potential

### Sodium Hypochlorite (7681-52-9)

|                           |  |
|---------------------------|--|
| Bioaccumulative potential | Does not contain bioaccumulative component(s). |
|---------------------------|--|

### 12.4. Mobility in soil

### Sodium Hypochlorite (7681-52-9)

|                 |  |
|-----------------|--|
| Surface tension | No data available in the literature  |
| Ecology - soil  | Contains component(s) with potential for mobility in the soil. May be harmful to plant growth, blooming and fruit formation. |

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### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

|                             |                 |
|-----------------------------|-----------------|
| Proper Shipping Name (DOT)  | : Not regulated |
| Proper Shipping Name (TDG)  | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |

### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not regulated

**TDG**  
Transport hazard class(es) (TDG) : Not regulated

**IMDG**  
Transport hazard class(es) (IMDG) : Not regulated

**IATA**  
Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

|                      |                 |
|----------------------|-----------------|
| Packing group (DOT)  | : Not regulated |
| Packing group (TDG)  | : Not regulated |
| Packing group (IMDG) | : Not regulated |
| Packing group (IATA) | : Not regulated |

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

**DOT**  
Not regulated

**TDG**  
Not regulated

**IMDG**  
Not regulated

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IATA  
Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear safety glasses and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing vapors and use in a well ventilated area. Remove and wash contaminated clothing before reuse.

| Sodium Hypochlorite (7681-52-9) |        |
|---------------------------------|--------|
| CERCLA RQ                       | 100 lb |

### 15.2. International regulations

#### CANADA

| Sodium Hypochlorite (7681-52-9)                       |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

#### EU-Regulations

No additional information available

#### National regulations

| Sodium Hypochlorite (7681-52-9)                                    |
|--|
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component                      | State or local regulations                |
|--------------------------------|---|
| Sodium Hypochlorite(7681-52-9) | U.S. - Massachusetts - Right To Know List |



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### SECTION 16: Other information

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|                        |                               |
|------------------------|-------------------------------|
| Full text of H-phrases |                               |
| H315                   | Causes skin irritation        |
| H319                   | Causes serious eye irritation |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.