



## SAFETY DATA SHEET

### MG BLOCK WHITENER

#### SECTION 1. PRODUCT IDENTIFICATION

Product name : MG BLOCK WHITENER

Other means of identification : Not applicable

Recommended use : Cleaning product

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Manufactured or Distributed in Costa Rica by:  
ECOLAB S.R.L, Zona Franca BES, El Coyol 5 Km al Oeste  
Aeropuerto Juan Santamaría,  
Alajuela, Costa Rica, Código Postal: Apdo109-4003.

Product Distributed in Honduras by:  
ECOLAB Ofibodega Premier, bodega No.8 en el Boulervar del este a  
30 mts de la caseta de peaje, San Pedro Sula, Honduras

Product Distributed in Panama by:  
ECOLAB ALBROOK COMERCIAL PARK, L. D14, CALLE RUBEN  
DARIO, CURUNDU, PANAMÁ

Product Distributed in El Salvador by:  
ECOLAB, S.A, de C,V. 12 Calle Poniente y 23 Avenida Sur #700 San  
Salvador, El Salvador Colonia Cucumayan.

Product Distributed in Guatemala by:  
ECOLAB S.A. ECOLAB 42 CALLE 23-00 ZONA 12, BODEGA 8

Product Distributed in Nicaragua by:  
ECOLAB C.C.R.L . ECOLAB KM. 16.7 CARRETERA A  
TICUANTEPE, 200 MTS A COMUNIDAD SAN PEDRO,  
TICUANTEPE. - MANAGUA, NICARAGUA

Emergency telephone : Costa Rica: For medical emergency information, call 911 and (506)  
2436-3900 in Costa Rica. National Center of Intoxication in Costa  
Rica: (506) 2223-1028  
El Salvador: National Center of Intoxication in EL SALVADOR TEL.  
(503) 22319262  
Guatemala: TOXICOLOGICAL INFORMATION CENTER OF  
GUATEMALA CIAT (502) 2230 0807  
Nicaragua: National Center of Intoxication in NICARAGUA Nº Tel  
(505) 2897150  
Honduras: TOXICOLOGICAL INFORMATION CENTER (CENTOX)  
2216-5166 AND 2216-5167.  
Panama: SYSTEM OF EMERGENCY MANAGEMENT OF THE  
REPUBLIC OF PANAMA (SUME) - TEL. 911

Issuing date : 11.09.2024

#### SECTION 2. HAZARD OR HAZARDS IDENTIFICATION

##### GHS Classification

Skin corrosion/irritation, Sub-category 1A  
Serious eye damage/eye irritation, Category 1

H314  
H318

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Short-term (acute) aquatic hazard, Category 1

H400

### GHS label elements

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H314  
H400

Causes severe skin burns and eye damage.  
Very toxic to aquatic life.

Precautionary Statements

: **Prevention:**

P264

Wash skin thoroughly after handling.

P273

Avoid release to the environment.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P363

Wash contaminated clothing before reuse.

P391

Collect spillage.

**Storage:**

P405

Store locked up.

**Disposal:**

P501

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

: Mixing this product with acid or ammonia releases chlorine gas.

### SECTION 3. COMPOSITION / INFORMATION OF HAZARDOUS INGREDIENTS

Pure substance/mixture

: Mixture

**Chemical name**

**CAS-No.**

**Concentration (%)**

sodium hypochlorite

7681-52-9

1 - 5

Sodium hydroxide

1310-73-2

1 - 5

### SECTION 4. FIRST AID MEASURES

In case of eye contact

: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

: Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

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If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

### Potential Health Effects

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: Causes digestive tract burns.
Inhalation	: May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

## SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Not flammable or combustible.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx)
Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

## SECTION 6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILLAGE

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures
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listed.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Storage temperature : 0 °C to 35 °C

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Sodium hydroxide	1310-73-2	C	2 mg/m <sup>3</sup>	CR OEL
Sodium hydroxide	1310-73-2	CPT	2 mg/m <sup>3</sup>	PA OEL
		CCT	4 mg/m <sup>3</sup>	PA OEL
Sodium hydroxide	1310-73-2	C	2 mg/m <sup>3</sup>	ACGIH
		Ceiling	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Safety goggles  
Face-shield

Hand protection : Wear the following personal protective equipment:  
Standard glove type.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : liquid  
Color : clear, light yellow  
Odor : Chlorine  
pH : 12,0 - 14,0, (100 %)  
Flash point : Not applicable, Does not sustain combustion.  
Odor Threshold : No data available  
Melting point/freezing point : No data available  
Initial boiling point and boiling range : > 100 °C  
Evaporation rate : No data available  
Flammability (solid, gas) : Not applicable  
Upper explosion limit : No data available  
Lower explosion limit : No data available  
Vapor pressure : No data available  
Relative vapor density : No data available  
Relative density : 1,035 - 1,195  
Water solubility : soluble  
Solubility in other solvents : No data available  
Partition coefficient: n-octanol/water : No data available  
Autoignition temperature : No data available  
Thermal decomposition : No data available  
Viscosity, kinematic : 197,780 mm<sup>2</sup>/s (40 °C)

Explosive properties : No data available  
Oxidizing properties : yes  
Molecular weight : No data available  
VOC : No data available

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : Mixing this product with acid or ammonia releases chlorine gas.

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Conditions to avoid	: None known.
Incompatible materials	: Acids
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NOx)

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

### Experience with human exposure

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Corrosion
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough

### Toxicity

#### Product

Acute oral toxicity	: Acute toxicity estimate : > 5.000 mg/kg
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available
Germ cell mutagenicity	: No data available
Teratogenicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration toxicity	: No data available

#### Components

Acute dermal toxicity	: sodium hypochlorite LD50 Rabbit: > 10.000 mg/kg
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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Environmental Effects : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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- Toxicity to fish : No data available  
Toxicity to daphnia and other aquatic invertebrates : No data available  
Toxicity to algae : No data available

### Components

- Toxicity to daphnia and other aquatic invertebrates : sodium hypochlorite  
48 h EC50 Aquatic Invertebrate: 0,071 mg/l  
  
Sodium hydroxide  
48 h EC50 Daphnia magna (Water flea): 40 mg/l

### Persistence and degradability

Readily biodegradable.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. INFORMATION REGARDING THE DISPOSAL OF PRODUCTS

- Disposal methods : Avoid that the product entering in the body of water, drains, pipes, or the earth (grounds). Where possible, recycling is preferable to disposal or incineration in accordance with local legislation. If you can't recycle, dispose according to local regulations. Elimination of waste in approved waste disposal plants.
- Disposal considerations : Dispose of in accordance with local, state, and federal regulations. Remove as unused products. Empty containers should be brought to local recycling or waste disposal according to local legislation. Do not reuse empty containers.

## SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport

- UN number : 3266  
Description of the goods : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(sodium hydroxide, sodium hypochlorite)  
Class : 8  
Packing group : III  
Environmentally hazardous : yes

### Sea transport (IMDG/IMO)

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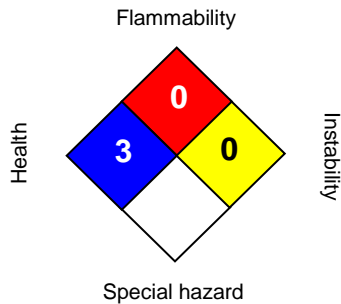
UN number : 3266  
Proper shipping name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(sodium hydroxide, sodium hypochlorite)  
Class : 8  
Packing group : III  
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable  
Marine pollutant : yes

### SECTION 15. REGULATORY INFORMATION

Our Safety Data Sheet (SDS) complies with Decree n ° 40705-S

### SECTION 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date : 11.09.2024  
Version : 1.0  
Prepared by : Regulatory Affairs

**REVISED INFORMATION:** Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.