

SAFETY DATA SHEET

EASI

UNICARE (CHEMICALS) LTD

1 Identification

GHS Product Identifier:

EASI

Other means of identification:

Hypochlorite Solution

Recommended use of the chemical and restriction on use:

Production

Industrial use as an intermediate

Industrial use in the textile industry

Industrial use of sewage and cooling or heating water treatment

Industrial use in paper pulp and paper production

Industrial cleaning use

Professional cleaning use

Consumers use

Biocide use in accordance with BPR 528/2012HYPOCHLORITE SOLUTION

Supplier's details:

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1401

2 Hazard(s) identification

Classification of the substance or mixture

According to regulation (EC) No 1272/2008 [CLP]

Skin Corrosion / Irritation: Hazard Category 1

Aquatic Acute Hazard: Acute 1

GHS Label Element:



Signal Word:

DANGER

Hazard Statements:

Causes severe skin burns and eye damage

Very toxic to aquatic life

Precautionary Statement

Do not breathe dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

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 or doctor/physician.
Store locked up.
Dispose of contents/container to according to local/national/international regulations.

Other hazards which do not result in classification

No specific dangers known, if the regulations/notes for storage and handling are considered.

3 Composition/information on ingredients

Mixture

Description	- CAS Number - EINECS Number - Reach registration number	Concentration (% w/w)	Note / Classification
Sodium Hypochlorite	- 7681-52-9 - 231-668-3 - N/A	10 - 15	Skin Corr. 1, H314; Aquatic Acute 1; H400

SUPPLEMENTARY STATEMENTS:

EUH031: Contact with acids liberates toxic gas.

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

4 First-aid measures

Description of first aid measures

Remove contaminated clothes.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water. If symptoms persist, seek medical advice.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

It is necessary to ingest enough water and stay in the fresh air. Call a physician directly.

Most important symptoms/effects, acute and delayed

Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms. No other relevant information are available.

5 Fire-fighting measures

Extinguishing media

Fire extinguishing measures are in accordance with the surrounding materials.

Flash Point & Method

None

Suitable Extinguishing Media

Pulverized water, foam, dry chemical & carbon dioxide

Specific hazards arising from the chemical

No other relevant information is available.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and full protective gear.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use breathing apparatus.

Use protective equipment.

Environmental precautions

In case of diverticulation into the aquatic environment or in the sewage system, notify the competent authorities.

Diluted with plenty of water.

Do not empty into drains and surface water. It must not penetrate the earthy waters..

Methods and materials for containment and cleaning up

It is collected with binders for liquids. (Sand, pylorite deposits, acid binders, binders in general, Sawdust).

Ensure adequate ventilation.

Use neutralization tools.

Dispose of contaminated material as hazardous waste according to section 13.

7 Handling and storage

Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements for storage rooms and vessels: No special requirements.

Storage: Not stored with acids.

Further information about storage conditions: Keep container tightly closed

Specific end use(s)

For the relevant identified uses listed in Section 1.

8 Exposure controls/personal protection

Control parameters

No other recommendation, see section 7.

Appropriate engineering controls: Use only with adequate ventilation.

Personal protective equipment

General protective and hygienic measures:

Keep away from food, drink and animal feed.

Immediately remove dirty, wet clothing.

Wash hands before breaks and at the end of work.

Avoid contact with skin.

Avoid contact with eyes and skin.

Respiratory protection:

Use a filter respirator for a short or small charge for a strong or

Prolonged exposure to respiratory protective device irrespective of surrounding air.

Protection of hands:



Protective gloves.

The material of the gloves should be impermeable and resistant to the product (s)/preparation.

Due to non-testing, no glove material can be proposed for the product

Preparation / chemical mixture.

Select the material of the glove taking into account transit times, permeability degree and degradation.

Material of gloves

The choice of the suitable glove depends not only on the material but also on the extra features

Quality, which vary according to the manufacturer.

Penetration time of glove material

The exact passage time is announced by the manufacturer of the protective gloves and should be indicated and kept always.

Eye protection:



Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

9 Physical and chemical properties

Physical and chemical properties

General Information

- **Appearance:**
 - Form:** Liquid
 - Colour:** Pale yellow
- **Odour:** product specific
- **Odour threshold:** Not determined
- **pH-value:** 12.5-13.5
- **Specific gravity:** Not determined
- **Change in condition**
 - Melting point/Melting range:** Not determined
 - Boiling point/Boiling range:** Not determined
- **Flash point:** Not determined
- **Flammability (solid, gaseous):** Not applicable

- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapour pressure at 20 °C:** Not determined
- **Density at 20 °C (g/mL) :** 1.21-1.22
- **Relative density:** Not determined
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Solubility in / Miscibility with water:** miscible
- **Partition coefficient (n-octanol/water):** Not determined
- **Viscosity:**
 - Dynamic:** Not determined
 - Kinematic:** Not determined

10 Stability and reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

It does not decompose if used properly.

Possibility of hazardous reactions

In contact with acids liberates toxic gases.

Conditions to avoid

No further relevant information available.
See SDS Section 7 - Handling and storage.

Incompatible materials

Acids

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11 Toxicological information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Toxicological (health) effects

Acute toxicity:

Important classification LD / LC50 values

Oral	LD50	1100 mg / kg (rat)
Skin	LD50	20000 mg / kg (rat)
Inhalation	LD50/4h	10500 mg / l (rat)

Skin corrosion/irritation: Assessment: Can cause burns to skin and mucous membranes.

Serious eye damage/irritation: Assessment: Strong caustic effect.

Respiratory or skin sensitisation: No sensitization is known.

Additional toxicological information:

If swallowed, causes burns in the mouth and throat as well as the risk of perforation of the esophagus and stomach.

Information on the likely routes of exposure

No other relevant information available.

Symptoms related to the physical, chemical and toxicological characteristics

No other relevant information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

No other relevant information available.

Numerical measures of toxicity (such as acute toxicity estimates)

No other relevant information available.

Interactive effects

No other relevant information available.

Where specific chemical data are not available

No other relevant information available.

Mixtures

No other relevant information available.

Mixture versus ingredient information

No other relevant information available.

Other information

No other relevant information available.

12 Ecological information

Toxicity:

Eco toxicity

No relevant information available.

Persistence and Degradability

No relevant information available.

Bioaccumulation

No relevant information available.

Mobility in soil

No relevant information available.

Biotoxic effects:

Remark: Extremely poisonous to fish.

Further ecological indications:

General information:

Dangerous for the aquatic environment - Class 2 (list appraisal): dangerous

May not penetrate into groundwater, discharge into aquatic environment or drainage.

It is not allowed undiluted or ungrounded to be emptied into the wilderness, ie in cesspools.

Dangerous for drinking water even when small quantities are released into the ground.

In the aquatic environment it is poisonous to fish and aquatic organisms.
Extremely poisonous to aquatic organisms.

13 Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Do not empty into drains.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN Number: ADR/RID, IMDG, IATA: UN1791

UN Proper Shipping Name:

ADR: 1791 HYPOCHLORITE SOLUTION, HAZARDOUS FOR THE ENVIRONMENT

IMDG, IATA: HYPOCHLORITE SOLUTION

Transport hazard class(es):

ADR



Class: 8 Corrosive substances

Hazard label: 8

IMDG, IATA



Class: 8 Corrosive substances

Hazard label: 8

Packing group, if applicable: II

Environmental hazards:

Dangerous for the environment, liquid

Marine pollutant: YES

Special Marking (ADR): Pictogram (fish and tree)

Special precaution for user:

Caution: Corrosive substances

Kemler number: 80

EMS Number: F-A, S-B

Segregation groups: Hypochlorites

Transport in bulk according to Annex II of Marpol 73/78 and the IBCcode: Not applicable.

ADR

Limited quantities (LQ): 1L

Excluded quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer package: 500 ml

Transport group: 2

Tunnel restriction codes: E

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation": UN1791, HYPOCHLORITE SOLUTION, DANGEROUS FOR THE ENVIRONMENT, 8, II

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I:** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

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.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International)

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Classification Abbreviations

H314: Causes severe skin burns and eye damage.

H400: Very toxic to aquatic life.

Skin Corr.1: Skin corrosion/irritation, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard Category 1