

SAFETY DATA SHEET

Micro

UNICARE (CHEMICALS) LTD

1 Identification

GHS Product Identifier

MICRO

Other means of identification

MICRO

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 528/2012

Supplier's details

Unicare (Chemicals)

Ltd P.O.Box 54088,

Aradippou Industrial Area, Cyprus.

Tel. +357-24531766, Fax. +357-24532111

email: team@unicaregroup.com

Emergency phone number

1401

2 Hazard(s) identification

Classification of the substance or mixture

The product is classified according to regulation EU No. 1272/2008

GHS label elements

Danger



Causes severe skin burns and eye damage

Very toxic to aquatic life

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

Description	CAS Number	EINECS	%	Note
		Number		
Sodium Hypochlorite	7681-52-9		3 - 5	

4 First-aid measures

Description of necessary first-aid measures

General instructions: Remove contaminated clothing immediately after contact with product .

After inhalation: In case of fainting it is necessary to lie down and transfer to a firm lateral position.

After skin contact: Rinse well immediately with water and soap.

After eye contact: Rinse opened eye for several minutes under running water. Wash eyes under running water for a long time and open eyelids.

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

Most important symptoms/effects, acute and delayed

No other relevant information is available

Indication of immediate medical attention and special treatment needed, if necessary

No other relevant information is available.

5 Fire-fighting measures

Suitable extinguishing media

Fire extinguishing measures are in accordance with the surrounding materials.

Specific hazards arising from the chemical

No other relevant information is available

Special protective actions for fire-fighters

Use breathing apparatus

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.

Ensure adequate ventilation.

7 Handling and storage

Precautions for safe handling

If used properly, no special precautions are required.

Precautions on how to protect against fire and explosion: No special precautions are required

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

8 Exposure controls/personal protection

Control parameters

No other recommendation, see section 7.

Appropriate engineering controls

Good ventilation.

Individual protection measures

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:



Protective goggles absolutely fit.

9 Physical and chemical properties

Physical and chemical properties

Form: liquid
Colour: light yellow
Odour: product specific
Odour threshold: not determined
pH value: 12.0-13.0
solidification temperature: not available
Boiling point: not determined
Flash point: not determined
Evaporation rate: not determined
Flammability: not flammable
Lower explosion limit: not determined
Upper explosion limit: not determined
Ignition temperature: not determined
Vapour pressure: not determined
Density: 1.03-1.04
Relative density: No data available.
Relative vapour density (air): not determined.
Solubility in water: soluble
Solubility (qualitative) solvent(s): not determined
Partitioning coefficient n-octanol/water (log Kow): not applicable
Self ignition: not determined
Thermal decomposition: not determined
Viscosity, dynamic: not determined

Viscosity, kinematic: not determined
Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

10 Stability and reactivity

Reactivity

No other relevant information is available

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

Incompatible materials

No further relevant information available.

Hazardous decomposition products

No hazardous decomposition products known.

11 Toxicological information

Toxicological (health) effects

Important LD / LC50 classification

Oral	LD50	1100 mg/kg (rat)
Skin	LD50	20000 mg/kg (rat)
Inhalation	LC50/4 h	10500 mg/l (rat)
Initial irritation:		

Skin corrosion and irritation · Can cause burns to skin and mucous membranes.

Severe eye damage / irritation · Strong caustic effect

Respiratory sensitization

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

No other relevant information is available.

Persistence and degradability

No other relevant information available.

Bioaccumulative potential

No other relevant information available.

Mobility in soil**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.

Other adverse effects

No other relevant information is available.

13 Disposal considerations**Disposal methods**

Recommendation: Can not be deposited with common waste. Do not empty into drains.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information**UN Number**

ADR, 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
Label 8

Packing group, if applicable

ADR, IMDG, IATA II

Environmental hazards

Dangerous for the environment, liquid

Marine pollutant: YES

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

Special precautions for user

Caution: Corrosive substances

Segregation groups: Hypochlorites

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

NOT APPLICABLE

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

A chemical safety assessment was not carried out

16 Other information

Other information

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

