Enagic International Co., Ltd.
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Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE

PRODUCT IDENTIFIER

Product name ： Electrolysis Enhancer

Product number ： 02-0177

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Intended use ： For production of strong acidic water by our electrolyzed water generator

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier ： Enagic International Co., Ltd.
1-40-1 Hoshidakita, Katano-shi, Osaka 576-0017 Japan

Department ： General Affairs Division

Phone number ： +81-72-893-2290

FAX number ： +81-72-893-8007

Emergency contact ： Same as above

SECTION 2. HAZARD(s) IDENTIFICATION

GHS CLASSIFICATION

This mixture does not meet the criteria for classification.

GHS LABEL ELEMENT

Pictograms : None

Signal word : None

Hazard statement : No known significant effects or critical hazards.

OSHA/HCS STATUS

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Summary ： Read label carefully before use. Keep out of reach of children.
Take the product container or label with you when you need medical advice.

Safety Measures : Wear protective gloves and eye protection or face protection.

First Aid Measures : Get medical advice / attention.

Storage : Keep in a cool place and block the sun.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards : None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

SINGLE CHEMICAL / MIXTURE CATEGORY : Mixture

【Description of the mixture】

Chemical or common name	purified water	Sodium chloride
Chemical formula	H_2O	NaCl
Ingredients and contents	About 84w / w%	About 15w / w%
CAS number	7732-18-5	7647-14-5
EC number	231-791-2	231-598-3

SECTION 4. FIRST-AID MEASURES

IF INHALED

Remove to fresh air and keep comfortable for breathing.

If symptoms occur, the doctor diagnosis, receive the allowances that.

WHEN IT ADHERES TO THE SKIN (OR HAIR)

Flow water / shower to wash with. If skin irritation occurs, get medical advice / attention.

IN CASE OF EYE CONTACT

Rinse carefully with clean water for a few minutes.

If you are wearing contact lenses, if easy to remove, remove the eyelids several times and wash.

If eye irritation persists, get medical advice / attention.

IF SWALLOWED

Rinse your mouth with clean water. If you feel unwell, seek medical advice and attention.

EXPECTED ACUTE AND DELAYED SYMPTOMS No data available

MOST IMPORTANT SIGNS AND SYMPTOMS No data available

PROTECTION OF FIRST-AID MEASURES No data available

SPECIAL PRECAUTIONS FOR DOCTORS No data available

SECTION 5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER

The product itself does not burn. Use extinguishing media suitable for the surrounding fire.

Water spray, Foam, Powder, Carbon Dioxide, Powder, Dry sand

EXTINGUISHING MEDIA THAT SHOULD NOT BE USED

None known

SPECIFIC HAZARDS RELATED TO MEASURES IN CASE OF FIRE

Fire may generate irritating, corrosive and / or toxic gases.

In a fire or if heated, the internal pressure will rise, and the container may burst.

May decompose on heating producing corrosive and / or toxic fumes, vapors and fumes.

UNIQUE FIRE EXTINGUISHING METHOD

Move containers from fire area if it can be done without risk.

Even after extinguishing the fire, cool the container sufficiently with a large amount of water to avoid rupturing the container due to an increase in internal pressure.

It is forbidden for anyone other than those involved to enter the area around the fire.

PROTECTION OF FIRE FIGHTERS

Wear suitable air respirator and chemical protective clothing (heat resistant).

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES

Workers must wear appropriate protective equipment (see "SECTION6: Exposure controls / Personal protection") to avoid contact with eyes and skin and inhalation.

Immediately isolate the leak zone at an appropriate distance in all directions.

It is forbidden for non-related persons and workers who are not wearing protective equipment to enter. Do not touch or walk on spilled material. Ventilate before entering a closed area.

ENVIRONMENTAL PRECAUTIONS

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers, as dilution water can cause pollution. Inform the relevant authorities if the product causes environmental pollution (sewers, waterways, soil or air).

COLLECTION / NEUTRALIZATION

Collect the spilled material in an empty container that can be sealed, and dispose of it later.

CONTAINMENT AND PURIFICATION METHODS AND EQUIPMENT

Collect leaked or spilled liquid in a closed container as much as possible.

Wipe off any residue with a dry cloth or paper.

SECONDARY DISASTER PREVENTION MEASURES

Collect spills.

SECTION 7. HANDLING AND STORAGE

[handling]

TECHNICAL COUNTERMEASURES

Take the equipment measures described in "SECTION 8. Exposure controls / personal protection" and wear protective equipment.

LOCAL EXHAUST / GENERAL VENTILATION

Perform local and general ventilation as described in "SECTION 8. Exposure controls / personal protection".

PRECAUTIONS FOR SAFE HANDLING

Use of hot materials, sparks, and fire in the vicinity is prohibited.

Avoid swallowing.

Avoid contact with skin.

Do not breathe vapor, mist or gas.

Make sure to insert the inside-plug and cap.

AVOID CONTACT

No data

[SAFE STORAGE CONDITIONS SUCH AS COMPOUNDING CONTRAINDICATIONS]

TECHNICAL COUNTERMEASURES

No special technical measures are required.

INCOMPATIBLE MATERIALS

No data

STORAGE CONDITION

Keep container tightly closed.

Keep in a cool place and shield from sunlight.

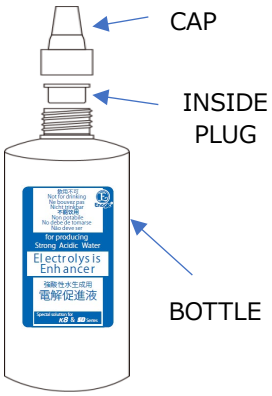
Store away from food and drink.

Store upright to prevent leakage.

Do not store in unlabeled containers.

CONTAINER AND PACKAGING MATERIAL

Glass, polyethylene, polypropylene, etc.



SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL CONCENTRATION

Not been set.

ACCEPTABLE CONCENTRATIONS (EXPOSURE LIMIT, BIOLOGICAL EXPOSURE INDEX)

Not been set.

JAPAN SOCIETY FOR OCCUPATIONAL HEALTH (2019 EDITION)

Not been set.

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS（ACGIH 2019 EDITION)

Not been set.

OSHA PERMISSIBLE EXPOSURE LIMITS (PELs)

Not been set.

APPROPRIATE TECHNICAL MANAGEMENT AND EQUIPMENT MEASURES

Use a general ventilation system sufficient to control the concentration of airborne suspended solids exposed to workers.

[PERSONAL PROTECTION MEASURES]

RESPIRATORY PROTECTION

If ventilation is inadequate, wear appropriate respiratory protection (based on risk and potential exposure).

HANDS PROTECTION

Wear suitable protective gloves (chemically resistant and impermeable gloves).

EYES PROTECTION

Wear suitable eyes protection (eyes protection with side shields or chemical goggles).

SKIN AND BODY PROTECTION

Wear suitable protective clothing and footwear.

HYGIENE MEASURES

Wash contaminated areas thoroughly after handling.

After handling Wash hands thoroughly.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

[INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES]

Physical state : liquid

Color : colorless and transparent

Odor : odorless

pH(value) : Neutral

[SPECIFIC TEMPERATURE / TEMPERATURE RANGE WHERE PHYSICAL STATE CHANGES]

Boiling point, initial boiling point and boiling range : No data

Melting point / freezing point : No data

Flash point : non- flammable

Evaporation rate : No data

Flammability (solid, gas) : not relevant (fluid)

Combustion or explosion range

Upper limit : no data

Lower limit : No data

Vapor pressure : No data

Vapor density : No data

Relative density : about 1.1 g/ml

Solubility in water : miscible

Partition coefficient of n-octanol / water : No data

Autoignition temperature : No data

Decomposition temperature : No data

Viscosity (viscosity) : data None

Kinematic viscosity : No data

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable in storage and handling according to legal regulations.

POSSIBILITY OF HAZARDOUS REACTIONS

No normal processing

CONDITIONS TO AVOID

High temperature and direct sunlight

INCOMPATIBLE MATERIALS

Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

No data

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Information on toxicological effects

Test data are not available for the complete mixture.

Oral	Not classified
Rat oral LD50 = 3000mg / kg (as sodium chloride)	
Mouse Oral LD50 = 4000mg / kg (as sodium chloride)	
Transdermal	No data
Inhalation	No data
Skin corrosion / irritation	Not classified
Serious eye damage / irritation	Not classified
Respiratory sensitization or skin sensitization	No data
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Teratogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ / systemic toxicity (single exposure)	Not classified
Specific target organ / systemic toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY

Aquatic environmental hazard (acute hazard)	Not classified
Aquatic environmental hazard (long-term hazard)	Not classified
Persistence / degradability	Not classified
Bioaccumulative potential	Not classified
Mobility in soil	Not classified
Ozone depleting substances	Not classified

SECTION 13. DISPOSAL CONSIDERATIONS

RESIDUAL WASTE

Before disposal, dilute with a large amount of water, detoxify, stabilize, neutralize, etc. to reduce the hazard level confirms the pH, and then drain into sewage. For disposal, follow the related laws and local government standards.

CONTAMINATED CONTAINERS AND PACKAGING

Containers should be cleaned and disposed of properly in accordance with relevant legislation and local government standards.

When discarding empty containers, be sure to completely remove the contents.

SECTION 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ICAO-IATA DGR
UN number	No.	No.	Not regulated.	No.	Not regulated.	Not regulated.
UN proper shipping name	No.	No.	–	No.	–	–
Transport hazard class(es)	No.	No.	–	No.	–	–
Packing group	not relevant	not relevant	not relevant	not relevant	not relevant	not relevant
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	–	–	–	–	–	–

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE

The cargo is not intended to be carried in bulk.

SPECIAL PRECAUTIONS FOR USER

Transport within the user's facility: Transport in an upright, stable container.

Make sure that the carrier of this product understands what to do in the event of an accident or spill.

SECTION 15. REGULATORY INFORMATION

STATE REGULATIONS

Massachusetts	None of the components are listed.
New York	None of the components are listed.
New Jersey	None of the components are listed.
Pennsylvania	None of the components are listed.

INTERNATIONAL REGULATIONS

Chemical Weapon Convention List Schedules I, II & III Chemicals	Not listed.
Montreal Protocol (Annexes A, B, C, E)	Not listed.
Stockholm Convention on Persistent Organic Pollutants	Not listed.
Rotterdam Convention on Prior Informed Consent (PIC)	Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals	Not listed.

INTERNATIONAL INVENTORY

EINECS/ELINCS	all ingredients are listed
TSCA	all ingredients are listed

US HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (NPCA-HMIS®III, U.S.A.)

Health	1
Flammability	0
Physical hazards	0

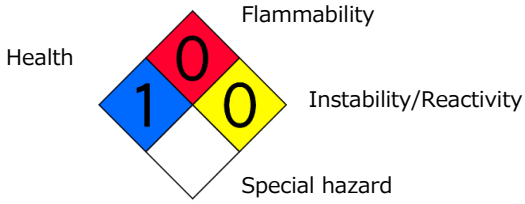
no significant risk to health

material that will not burn under typical fire conditions

material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA® 704, U.S.A.)

National Fire Protection Association : Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).



SECTION 16. OTHER INFORMATION

KEY LITERATURE REFERENCES AND SOURCES FOR DATA

Globally Harmonized System of classification and labelling of chemicals, (7th ed., 2017), UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 21st edit., 2019 UN
Dangerous Goods Regulations (DGR) for the air transport (IATA).
ECHA : EUROPEAN CHEMICALS AGENCY Search for Chemicals https://echa.europa.eu/home
RTECS : Registry of Toxic Effects of Chemical Substances https : //www.cdc.gov/az/o.html
OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200. https://www.osha.gov/dsg/hazcom/
[JAPAN]
JIS Z 7253 (2019 EDITION)
JIS Z 7252 (2019 EDITION)
NITE http : //www.safe.nite.go.jp/japan/db.html
J-CHECK https : //www.nite.go.jp/chem/jcheck/top.action?request_locale=ja
Ministry of Health, Labor and Welfare https : //anzeninfo.mhlw.go.jp/anzen_pg/GHS_MSD_FND.aspx
GHS classification guidance for businesses (Ver.2.0 Ministry of Economy, Trade and Industry)

DISCLAIMER

The contents of this description are based on the materials and informational data available at the moment and are subject to revision for new knowledge. The calculation basis of GHS classification is the data currently announced in Japan. The data provided here do not guarantee the performance of the product. To the best of our knowledge, the information contained here is accurate. However, we are not responsible for the accuracy or completeness of the information provided here.
Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. The final decision on the suitability of a material is the responsibility of the user. All materials can present unknown hazards and should be used with caution. We are not responsible for any damage caused by the handling or contact of the above products.