



Material Safety Data Sheet

Enactment Date : 2020-10-01

1. Product and Company Information

- Product Name** : HYPOCHLOROUS ACID SOLUTION
- Company** : SKY E&M
- Address** : (15434) 114, Sandan-ro, Danwon-gu, Ansan-si, Gyeonggi-do, Republic of Korea
- Telephone** : +82 2 3446-9063
- Fax** : +82 2 3446-9064
- E-mail** : info@purple-k.net
- Recommended use of the chemical and restrictions on use**
 - Recommended use : Hand Sanitizer, Disinfectant
 - Restrictions on use : except Recommended use

2. Hazards Identification

- Globally Harmonized System of Classification and Labelling of Chemical(GHS)**
 - Physical hazard : Not applicable
 - Health hazard : Not applicable
 - Environment hazard : Not applicable
- Label Elements Including Precautionary Statements**
 - Symbol / Signal word : Not applicable
 - Hazard statements / Precautionary statements : Not applicable
- NFPA Rating**
 - Health : 0
 - Flammability : 0
 - Reactivity : 0
 - Water reactivity : 0

3. Composition / Information on Ingredients

INCI Name	CAS No.	EC No.	Conc. (%)
WATER	7732-18-5	231-791-2(I)	99.997
HYPOCHLOROUS ACID	7790-92-3	239-555-0(I)	0.003

4. First Aid Measures

Description of first aid measures

In case of eye contact

Rinse thoroughly with water for at least 15 minutes and consult a physician

In case of skin contact

Skin contact rarely causes problems, but if there is any skin problem, stop using it immediately.

If inhaled

If breathed in, move person into fresh air

If not breathing, give artificial respiration

If swallowed

Never give anything by mouth to an unconscious person Rinse mouth with water

Rinse mouth with water

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting Measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Special hazards arising from the substance or mixture

Container may explode when heated

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

Further information

The product itself does not burn

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas

Environmental precautions

No special environmental precautions required

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal

7. Handling and Storage

- **Precautions for safe handling**
 - High temperature warning
- **Conditions for safe storage, including any incompatibilities**
 - Store in cool place
 - Keep container tightly closed in a dry and well-ventilated place
 - Avoid direct sunlight wherever possible

8. Exposure Controls/Personal Protection

- **Control parameters**
 - Does not contain substances with a set exposure criteria
- **Exposure controls**
 - Appropriate engineering controls**
 - General industrial hygiene practice
- **Personal protective equipment**
 - Respiratory protection**
 - Respiratory protection not required. For nuisance exposures use type OV/AG(US) or type ABEK(EU EN 14387) respirator cartridges
 - Use respirators and components tested and approved under appropriate government standards
 - Skin protection**
 - Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product
 - Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices
 - Wash and dry hands
 - Eye/face protection**
 - Use equipment for eye protection tested and approved under appropriate government standards
 - Body protection**
 - Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
 - Control of environmental exposure**
 - No special environmental precautions required

9. Physical and Chemical Properties

- Form** : Liquid
- Color** : Transparent
- pH** : 5.0
- Concentration(ppm)** : 30
- Odor** : Odorless
- Odor threshold** : No data available
- Specific gravity** : 1.002, 22.5 °C
- Refractive index** : 1.335, 22.5 °C
- Water solubility** : Soluble
- Explosive properties** : No self-reaction hazard
- Sustained combustibility** : No longer than 10 sec.
- Evaporation rate** : No data available
- Flammability (solid, gas)** : No data available
- Upper/lower flammability or explosive limits** : No data available
- Flash point** : No data available
- Autoignition temperature** : No data available

10. Stability and Reactivity

- Chemical Stability**
 - Stable under recommended storage conditions
 - Containers may explode upon heating
- Possibility of hazardous reactions**
 - No data available
- Conditions to avoid**
 - Heat
 - Contamination
- Incompatible materials**
 - Strong oxidizing agents
- Hazardous decomposition products**
 - No data available
- Reactivity**
 - No data available

11. Stability and Reactivity

- Information on toxicological effects**
 - Inhale**

May cause respiratory irritation

Acute 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

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity : single exposure

No data available

Specific target organ toxicity : repeated exposure

No data available

Aspiration hazard

No data available

12. Ecological Information

Toxicity

No data available

Persistence / Degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. Disposal Considerations

Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging

Dispose of as unused product

14. Transport Information

International Maritime Dangerous Goods(IMDG)

Not Dangerous Goods

International Air Transport Association(IATA)

Not Dangerous Goods

UN proper shipping name

Not dangerous goods

Special precautions for user

No data available

15. Regulatory Information

Safety, health and environmental regulations

This safety data sheet complies with the requirements of Regulation(EC) No. 1907/2006

Legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation(EC) No. 1907/2006

Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other Information

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End of Safety Data Sheet