



MATERIAL SAFETY DATA SHEET

1. Identification

Product identifier

Product name USA Guard Hypochlorous Acid All-Purpose Cleaner

Other means of identification

Product number -

Chemical name Hypochlorous Acid (HOCl)

Recommended use of the chemical and restrictions on use

Identified uses Multi-purpose cleaner that can be applied in many areas, such as: toilets, auditoriums and lecture theatres, F&B establishments, medical facilities and equipment, scientific laboratories, high-touch surface contact areas, public and outdoor spaces, offices, commercial and industrial premises.

Uses advised uses -

Details of the supplier of the safety data sheet

Company Ambassadors Global

Address 411 E 203rd Street, Belton, MO 64012

Telephone 562 833 9147

Fax -

Emergency phone number

24H Emergency phone number 562 833 9147

Service number Monday to Friday, 9 am-5 pm (Central Daylight Time)

2. Hazard Identification

Classification of the substance or mixture

Appearance Clear liquid

Physical state Liquid

Odor Faint chlorine odor

Not classified under the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

GHS label elements, including precautionary statements

| | |
|-----------------------------------|----------------|
| Pictogram(s) | No symbol |
| Signal word | No signal word |
| Hazard statement(s) | None |
| Precautionary statement(s) | None |
| Prevention | None |
| Response | None |
| Storage | None |
| Disposal | None |

Other hazards which do not result in classification

None

3. Composition/Information on Ingredients

Substances

| Chemical Name | Common Names | CAS Number | Concentration |
|-----------------------|---------------------|-------------------|----------------------|
| Hypochlorous Acid | HOCl | 7790-92-3 | <0.02% |
| Reverse Osmosis Water | H ₂ O | 7732-18-5 | <98% |

4. First-Aid Measures

Description of necessary first-aid measures

| | |
|-----------------------|---|
| General advice | Consult a physician. Show this safety data sheet to the doctor in attendance. |
| Inhalation | If symptoms develop, immediately move the individual away from exposure and into the fresh air. Seek medical attention. Keep the person warm and quiet. If the person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen. |
| Skin contact | First aid is not typically required. However, it is recommended that exposed area be cleaned by washing with soap water. |
| Eye contact | If symptoms develop, move the individual away from exposure and into The fresh air. Flush eyes with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention. |

Most important symptoms/effects, acute and delayed

Under normal use conditions, the likelihood of any adverse health effects is low. Inhalation of product vapors or fumes is the most common route of exposure in occupational settings.

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

No data available

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Specific hazards arising from the chemical

No data is available.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection, see Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let the product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Some localities allow such concentrations to be sent to open sewers. However, local environmental regulatory requirements should be followed. Spills can be washed to the sewer with plenty of water or neutralized using sodium sulfite or sodium thiosulfate if desired.

7. Handling And Storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

Conditions for safe storage, including any incompatibilities

Storage conditions Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

Control parameters

Exposure limit values No data is available.

Biological limit values No data is available.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

Individual protection measures, such as personal protective equipment (PPE)

Eye/Face protection Not required.

Skin/Body protection Not required.

Respiratory protection Wear a dust mask when handling large quantities.

Thermal hazards No data available.

9. Physical And Chemical Properties

Physical and chemical properties

| | |
|---|---------------------|
| Physical state | Liquid |
| Color | Clear |
| Odor | Faint chlorine odor |
| Melting point/freezing point | 0° C / 32° F |
| Boiling point or initial boiling point and boiling range | 100° C / 212° F |
| Flammability | Non-flammable |
| Lower and upper explosion limit/flammability limit | No data available |
| Flash point | Non-flammable |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| pH | 5.6–5.9 |
| Kinematic viscosity | No data available |
| Solubility | 100% soluble |
| Partition coefficient n-octanol/water (log value) | No data available |
| Vapor pressure | No data available |
| Density and/or relative density | Variable |
| Relative vapor density | No data available |
| Particle characteristics | No data available |

10. Stability And Reactivity

Reactivity

Reactive to acid products and hydrogen peroxide.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available.

Conditions to avoid

Avoid accidental contact of the product with acids and hydrogen peroxide.

Incompatible materials

No data available.

Hazardous decomposition products

No data available.

11. Toxicological Information

| | |
|--|---|
| Acute toxicity | No data available |
| Skin corrosion/irritation | Unlikely to cause skin irritation or injury |
| Serious eye damage/irritation | Unlikely to cause eye irritation or injury |
| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| STOT-single exposure | No data available |
| STOT-repeated exposure | No data available |
| Aspiration hazard | No data available |

12. Ecological information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. Disposal Considerations

Disposal methods

Waste Treatment Methods

Local environmental regulatory requirements should be followed. If desired, spills can be washed to the sewer with plenty of water or neutralized using sodium sulfite or sodium thiosulfate.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. Transport Information

UN Number

ADR/RID: no data available

IMDG: Not regulated IATA: Not restricted

UN Proper Shipping Name

ADR/RID: No data available

IMDG: Not regulated IATA: Not restricted

Transport hazard class(es)

ADR/RID: No data available

IMDG: Not regulated IATA: Not restricted

Packing group, if applicable

ADR/RID: No data available

IMDG: Not regulated IATA: Not restricted

Environmental hazards

ADR/RID: No

IMDG: No IATA: No

Special precautions for user

No data available

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

No data available

15. Regulatory Information

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

| Chemical Name | Common Names | CAS Number | EC Number |
|---|--------------|------------|-----------|
| Hypochlorous Acid | HOCl | 7790-92-3 | None |
| European Inventory of Existing Commercial Chemical Substances (EINECS): Not available | | | Listed |
| United States Toxic Substances Control Act (TSCA) Inventory | | | Listed |

16. Other Information

Information on revision

| | |
|---------------|------------|
| Issuing date | April 2023 |
| Revision date | None |

Disclaimer

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 material or in any process unless specified in the text.

Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short-term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

References

- IPCS - The International Chemical Safety Cards (ICSC)

Website: <http://www.ilo.org/dyn/icsc/showcard.home>

- HSDB - Hazardous Substances Data Bank

Website: <https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

- IARC - International Agency for Research on Cancer

Website: <http://www.iarc.fr/>

- eChemPortal - The Global Portal to Information on Chemical Substances by OECD

Website: http://www.chemportal.org/chemportal/index?pageID=0&request_locale=en

- CAMEO Chemicals

Website: <http://cameochemicals.noaa.gov/search/simple>

- ChemIDplus

Website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

- ERG - Emergency Response Guidebook by U.S. Department of Transportation

Website: <http://www.phmsa.dot.gov/hazmat/library/erg>

- Germany GESTIS-database on hazardous substance

Website: <http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp>

- ECHA - European Chemicals Agency

Website: <https://echa.europa.eu/>