

SAFETY DATA SHEET

Preparation Date: 7/27/2015

Revision date 03/21/2019

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: H1025
Product Name: HYDRIODIC ACID, 47 PERCENT, STABILIZED., REAGENT, ACS

Other means of identification

Synonyms: Hydroiodic acid
 Anhydrous hydroiodic acid
 Hydrogen iodide
 Hydrogen monoiodide

CAS #: 10034-85-2
RTECS # MX1510000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Disinfectant. In organic synthesis. In inorganic synthesis. Laboratory chemicals. Manufacture of substances. Research and Development.

Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Tom Tyner (USA - West Coast)

Contact Person: Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Corrosive to metals	Category 1

Label elements

Danger

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Hazard statements

Causes severe skin burns and eye damage
 May cause respiratory irritation
 May cause damage to organs through prolonged or repeated exposure
 May be corrosive to metals

**Hazards not otherwise classified (HNOC)**

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Use only outdoors or in a well-ventilated area
 Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 Absorb spillage to prevent material damage
 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.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Store in corrosive resistant/ .? container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
Water	7732-18-5	51.5
Hydriodic Acid	10034-85-2	47
Hypophosphorous Acid	6303-21-5	1.5

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4. FIRST AID MEASURES

First aid measures

- General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.
- Skin Contact:** Wash off immediately with soap and plenty of water. Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician or Poison Control Centre immediately.
- Eye Contact:** Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.
- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **WARNING!** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Severe skin and eye irritation or burns
 - Redness, pain and burns of the eyes
 - Redness and burning sensation of the skin, pain, blisters
 - Severe irritation or burns of the respiratory tract and possible lung injury
 - May cause build-up of fluid in the lungs (pulmonary edema)
 - Severe over-exposure can produce lung damage, choking, unconsciousness or death
 - Can burn mouth, throat, and stomach
 - Abdominal pain

Indication of any immediate medical attention and special treatment needed

- Notes to Physician:** Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media:** Carbon dioxide (CO₂). Dry chemical. The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

- Unsuitable Extinguishing Media:** No information available.

Specific hazards arising from the chemical

Hazardous combustion products

No information available.

Specific hazards

Contact with metals may evolve flammable hydrogen gas. Substance will react with water, releasing corrosive and/or toxic fumes. Manganese burns vigorously when heated with iodine vapor.

Special Protective Actions for Firefighters

Specific Methods:

No information available

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Use a vapor suppressing foam to reduce vapors; do not put water directly on leak, spill area or inside container.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Do not let this chemical enter the environment.

Methods and material for containment and cleaning up

Methods for containment

Stop leak if you can do it without risk. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Neutralize with Sodium carbonate or Sodium bicarbonate. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Sweep up and shovel into suitable containers for disposal. Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Do not ingest. Do not breathe vapors or spray mist. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Sensitive to light. Store in light-resistant containers. Do not store near acids. May corrode metallic surfaces. Do

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not store in uncoated metallic containers. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

- Strong oxidizing agents
- Strong acids
- Strong bases
- Alkalis
- Metals
- Organic materials
- Phosphorus
- Amines
- Light

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Water	7732-18-5	None	None	None	None
Hydriodic Acid	10034-85-2	None	None	0.01 ppm TWA (inhalable fraction and vapor)	None
Hypophosphorous Acid	6303-21-5	None	None	None	None

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Water	7732-18-5	None	None	None	None
Hydriodic Acid	10034-85-2	None	None	0.01 ppm TWA (inhalable fraction and vapor)	None
Hypophosphorous Acid	6303-21-5	None	None	None	None

Australia and Mexico

Component	CAS No	Australia	Mexico
Water	7732-18-5	None	None
Hydriodic Acid	10034-85-2	None	None
Hypophosphorous Acid	6303-21-5	None	None

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value. In case of insufficient ventilation wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection:	Face-shield.
Skin and body protection:	Boots Gloves Long sleeved clothing Chemical resistant apron
Respiratory protection:	Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
Hygiene measures:	Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Appearance: No information available.	Color: Colorless. Yellow. Reddish yellow.
Odor: Pungent. Characteristic. Sulfide-like.	Taste No information available.	Formula HI
Molecular/Formula weight (g/mole): 127.91 g/mol	Flammability (solid, gas) no data available	Flashpoint (°C/°F): No information available
Flash Point Tested according to: Not available	Autoignition Temperature (°C/°F): No information available	Lower Explosion Limit (%): No information available
Upper Explosion Limit (%): No information available	Melting point/range(°C/°F): -51°C/-60°F	Decomposition temperature(°C/°F): No information available
Boiling point/range(°C/°F): 127°C/261°F	Bulk density: No information available	Density (g/cm3): 1.5-1.7
Specific gravity: No information available	pH 1 (0.1M)	Vapor pressure @ 20°C (kPa): No information available
Evaporation rate: No information available	Vapor density: 4.41	VOC content (g/L): No information available
Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): No information available	Viscosity: No information available
Miscibility: No information available	Solubility: Soluble in Water	

10. STABILITY AND REACTIVITY

Reactivity

Corrodes in contact with metals
 Incompatible with chemically active metals such as potassium, aluminum, copper, magnesium, and zinc.
 Reacts with most metals to produce flammable Hydrogen gas.
 Attacks some plastics, rubber, and coatings.
 Reacts violently with water
 Exothermic reaction with water
 Sensitive to light. It gradually darkens on exposure to light
 Reacts vigorously with alkalis and with many organic materials.

Chemical stability

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Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Exposure to light. It darkens on exposure to light. Exposure to moisture. Exposure to water. Ignition sources. Incompatible materials.

Incompatible Materials: Strong oxidizing agents
Strong acids
Strong bases
Alkalis
Metals
Organic materials
Phosphorus
Amines
Light

Hazardous decomposition products: Hydrogen iodide. Iodine vapour. Hydrogen. Hydrogen, by reaction with metals. Phosphorus oxides.

Other Information

Corrosivity: Corrosive in presence of steel

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Eyes. Ingestion. Inhalation. Skin.

Acute Toxicity

Component Information

Water	
CAS No	7732-18-5

LD50/oral/rat = > 90 mL/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Hydriodic Acid	
CAS No	10034-85-2

LD50/oral/rat = >90 mL/kg oral LD50 rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = 2860 mg/L inhalation LC50 rat 1h
1430 mg/L inhalation LC50 rat 4hr
LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = No information available

Hypophosphorous Acid	
CAS No	6303-21-5

LD50/oral/rat = No information available
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
Value - Acute Tox = No information available

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
Value - Acute Tox = No information available

LD50/dermal/rat
VALUE - Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Corrosive. Causes severe irritation and burns. Can cause redness and pain. Repeated or prolonged exposure may cause dryness or cracking of the skin.

Eye Contact: Corrosive to the eyes and may cause severe damage including blindness. Causes a burning sensation or pain. Causes severe irritation and burns.

Inhalation Causes respiratory tract irritation with possible chemical burns. It can irritate the lungs. Corrosive. It is destructive to the tissues of the mucous membrane and the upper respiratory tract. It may cause severe irritation of the upper respiratory tract, mucous membranes, with pain, burns, and inflammation. It may cause burns to the respiratory, chemical bronchitis with coughing and difficulty in breathing, ulceration and perforation of the nasal septum. Symptoms may include sore throat, coughing, shortness of breath, labored breathing. It may cause pulmonary sensitization or allergic asthma. Higher exposures may cause pulmonary edema.

Ingestion No information available.

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Long term exposure may cause lung problems/damage. Chronic exposure may cause dermatitis. Prolonged exposure to iodides may result in "Iodism" which is characterized by skin rash, runny nose, headache, increased salivation, metallic taste, nausea, vomiting, epigastric pain, diarrhea, bronchitis, laryngitis, stomatitis, fever, conjunctivitis, and irritation of the mucous membranes and anemia. In severe cases, the skin may show pimples, boils, redness, black and blue spots, hives and blisters. It may also affect the thyroid gland (goiter, hypothyroidism).

Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Hydriodic Acid	10034-85-2	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Hypophosphorous Acid	6303-21-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure respiratory system.

STOT - repeated exposure respiratory system. kidney. spleen. lungs.

Target Organs: Respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Extremes of pH is expected to produce significant ecotoxicity upon exposure to aquatic organisms and the environment.

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility in soil No information available

Other adverse effects No information available.

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13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal. Do not re-use empty containers
Dispose of as unused product. Dispose of in accordance with federal, state and local regulations

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Water	7732-18-5	None	None	None	None
Hydriodic Acid	10034-85-2	None	None	None	None
Hypophosphorous Acid	6303-21-5	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN1787
Proper Shipping Name: Hydriodic acid
Hazard Class 8
Subsidiary Class No information available
Packing group: II
Emergency Response Guide Number 154
Marine Pollutant Severe Marine Pollutant
DOT RQ (lbs): No information available
Special Provisions A3, A6, B2, IB2, N41, T7, TP2
Symbol(s): No information available
Description: UN1787, Hydriodic acid, 8, II

TDG (Canada)

UN-No: UN1787
Proper Shipping Name: Hydriodic acid
Hazard Class 8
Subsidiary Risk: No information available
Packing Group: II
Marine Pollutant No Information available
Description: UN1787, Hydriodic acid, 8, II

ADR

UN Number UN1787
Proper Shipping Name: Hydriodic acid
Transport hazard class(es) 8
Packing group II
Subsidiary Risk: No information available
Description: UN1787, Hydriodic acid, 8, II

IMDG

UN-No: UN1787
Proper Shipping Name: Hydriodic acid
Hazard Class: 8

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Subsidiary Risk: No information available
Packing Group: II
Marine Pollutant No information available
EMS: F-A
Description UN1787, Hydriodic acid, 8, II

RID

UN Number UN1787
Proper Shipping Name: Hydriodic acid
Transport hazard class(es) 8
Subsidiary Risk: No information available
Packing group II
Description: UN1787, Hydriodic acid, 8, II

ICAO (air)

UN-No: UN1787
Proper Shipping Name: Hydriodic acid
Hazard Class 8
Subsidiary Risk: No information available
Packing Group: II
Description: UN1787, Hydriodic acid, 8, II
Special Provisions A3

IATA

UN Number UN1787
Proper Shipping Name: Hydriodic acid
Transport hazard class(es) 8
Subsidiary Risk: No information available
Packing group II
Precautionary Statements - Response 8L
Special Provisions No information available
Description: UN1787, Hydriodic acid, 8, II

15. REGULATORY INFORMATION

International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Water	7732-18-5	PresentACTIVE	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
Hydriodic Acid	10034-85-2	PresentACTIVE	Present KE-20201	Present	Present (1)-364	Present	Present	Present 233-109-9
Hypophosphorous Acid	6303-21-5	PresentACTIVE	Present KE-28475	Present	Present (1)-420	Present	Present	Present 228-601-5

U.S. Regulations

Hydriodic Acid

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1009
Pennsylvania RTK: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

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Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed
Hydriodic Acid	10034-85-2	Not Listed	Not Listed	Not Listed	Not Listed
Hypophosphorous Acid	6303-21-5	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Water	7732-18-5	None	None	None	None	None
Hydriodic Acid	10034-85-2	None	None	None	None	None
Hypophosphorous Acid	6303-21-5	None	None	None	None	None

U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Water	7732-18-5	Not Applicable	Not Applicable
Hydriodic Acid	10034-85-2	Not Applicable	Not Applicable
Hypophosphorous Acid	6303-21-5	Not Applicable	Not Applicable

Canada**WHMIS 2015 - GHS Classifications**

WHMIS 2015 Hazard Classification Information:

Component
Water
7732-18-5 (51.5)
Hydriodic Acid
10034-85-2 (47)

WHMIS 2015 Hazard Classification
Not a dangerous product according to HPR classification criteria

Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Hydriodic Acid	10034-85-2	Present	Not Listed
Hypophosphorous Acid	6303-21-5	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Water	7732-18-5	Not listed
Hydriodic Acid	10034-85-2	Not listed
Hypophosphorous Acid	6303-21-5	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Hydriodic Acid	10034-85-2	Not listed
Hypophosphorous Acid	6303-21-5	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Water	7732-18-5	
Hydriodic Acid	10034-85-2	Gases under pressure - H280 Contains gas under pressure, may explode when heated.; Skin corrosion/irritation - Skin Corr. 1A: H314 Causes severe skin burns and eye damage.053-002-00-9 Skin corrosion/irritation - Skin Corr. 1A: H314 Causes severe skin burns and eye damage. (C >= 10 %); Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (0.2 % <= C <10 %); Skin corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation. (0.02 % <= C <0.2 %); Serious Eye Damage/Eye Irritation - Eye Irrit. 2: H319 Causes serious eye irritation. (0.02 % <= C <0.2 %); Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (C >= 0.02 %) 053-002-00-9
Hypophosphorous Acid	6303-21-5	

EU - CLP (1272/2008)

R-phrase(s)

R35 - Causes severe burns

R36/37/38 - Irritating to eyes, respiratory system and skin

S -phrase(s)

S 9 - Keep container in a well-ventilated place.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S 1/2 - Keep locked up and out of the reach of children.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Component	CAS No	Classification	Concentration Limits:	Safety Phrases
Water	7732-18-5		No information	
Hydriodic Acid	10034-85-2	C; R35	10%<=C 0.2%<=C<10% 0.02%<=C<0.2%	
Hypophosphorous Acid	6303-21-5		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

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Indication of danger:

C - Corrosive

C

**16. OTHER INFORMATION**

Preparation Date: 7/27/2015
Revision date 03/21/2019
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet