

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Hydrochloric Acid - Sierra Muriatic Acid

**Other means of identification** None.

**Recommended use** Not available.

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

|                               |                                                              |              |
|-------------------------------|--------------------------------------------------------------|--------------|
| <b>Company name</b>           | Thatcher Company of California, Inc.                         |              |
| <b>Address</b>                | 1010 Industrial Drive<br>Stockton, CA 95206<br>United States |              |
| <b>Telephone</b>              | General Assistance                                           | 801 972 4587 |
| <b>E-mail</b>                 | inquiries@tchem.com                                          |              |
| <b>Emergency phone number</b> | Chemtrec (CCN 22106)                                         | 800 424 9300 |

## 2. Hazard(s) identification

**Physical hazards** Corrosive to metals Category 1

**Health hazards** Acute toxicity, oral Category 3

Acute toxicity, inhalation Category 2

Skin corrosion/irritation Category 1A

Serious eye damage/eye irritation Category 1

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

#### Label elements



**Signal word** Danger

**Hazard statement** May be corrosive to metals. Toxic if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic if inhaled. May cause respiratory irritation.

#### Precautionary statement

**Prevention** Keep only in original container. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If swallowed: Immediately call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

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

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** Not applicable.

### 3. Composition/information on ingredients

#### Substances

| Chemical name     | Common name and synonyms | CAS number | %         |
|-------------------|--------------------------|------------|-----------|
| Water             |                          | 7732-18-5  | 60 - < 70 |
| Hydrochloric acid |                          | 7647-01-0  | 30 - < 40 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim 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. Call a POISON CENTER or doctor/physician.         |
| <b>Skin contact</b>                                                           | Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.                                                                                                                                                               |
| <b>Eye contact</b>                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.                                                                                                                                                                                            |
| <b>Ingestion</b>                                                              | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.                                                                                                                                                                            |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.                |
| <b>General information</b>                                                    | In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                                                                                                                           |

### 5. Fire-fighting measures

|                                                                      |                                                                                            |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                     |
| <b>Specific hazards arising from the chemical</b>                    | Not applicable.                                                                            |
| <b>Special protective equipment and precautions for firefighters</b> | Wear suitable protective equipment.                                                        |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                              |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials. |

### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Methods and materials for containment and cleaning up**

This product is miscible in water. Should not be released into the environment.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental precautions**

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage****Precautions for safe handling**

Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Store in corrosive resistant container with a resistant inner liner. Store in original tightly closed container. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection****Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Material                                    | Type    | Value   |
|---------------------------------------------|---------|---------|
| Hydrochloric Acid - Sierra<br>Muriatic Acid | Ceiling | 7 mg/m3 |

| Components                           | Type    | Value   |
|--------------------------------------|---------|---------|
| Hydrochloric acid (CAS<br>7647-01-0) | Ceiling | 7 mg/m3 |
|                                      |         | 5 ppm   |

**US. ACGIH Threshold Limit Values**

| Material                                    | Type    | Value |
|---------------------------------------------|---------|-------|
| Hydrochloric Acid - Sierra<br>Muriatic Acid | Ceiling | 2 ppm |

| Components                           | Type    | Value |
|--------------------------------------|---------|-------|
| Hydrochloric acid (CAS<br>7647-01-0) | Ceiling | 2 ppm |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Material                                    | Type    | Value   |
|---------------------------------------------|---------|---------|
| Hydrochloric Acid - Sierra<br>Muriatic Acid | Ceiling | 7 mg/m3 |

| Components                           | Type    | Value   |
|--------------------------------------|---------|---------|
| Hydrochloric acid (CAS<br>7647-01-0) | Ceiling | 7 mg/m3 |
|                                      |         | 5 ppm   |

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Chemical respirator with organic vapor cartridge and full facepiece.

|                                       |                                                                                                                                                                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin protection</b>                |                                                                                                                                                                                                                                                               |
| <b>Hand protection</b>                | Chemical resistant gloves.                                                                                                                                                                                                                                    |
| <b>Other</b>                          | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.<br>Chemical resistant gloves.                                                                                                                                        |
| <b>Respiratory protection</b>         | Chemical respirator with organic vapor cartridge and full facepiece.                                                                                                                                                                                          |
| <b>Thermal hazards</b>                | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                 |
| <b>General hygiene considerations</b> | When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

## 9. Physical and chemical properties

### Appearance

|                       |                                     |
|-----------------------|-------------------------------------|
| <b>Physical state</b> | Liquid.                             |
| <b>Form</b>           | Liquid.                             |
| <b>Color</b>          | Clear colorless or nearly colorless |

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** Not available.

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** < 0.0000001 kPa at 25 °C

**Vapor density** Not available.

**Relative density** Not available.

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

**Density** 1.15 g/cm<sup>3</sup> estimated

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** Hazardous polymerization does not occur.

**Conditions to avoid** Reacts violently with strong alkaline substances. This product may react with reducing agents. Do not mix with other chemicals. Contact with incompatible materials.

**Incompatible materials** This product may react with reducing agents. Incompatible with bases. Amines.

**Hazardous decomposition products**

No hazardous decomposition products are known.

**11. Toxicological information****Information on likely routes of exposure**

|                     |                                                   |
|---------------------|---------------------------------------------------|
| <b>Inhalation</b>   | Toxic by inhalation.                              |
| <b>Skin contact</b> | Causes severe skin burns.                         |
| <b>Eye contact</b>  | Causes serious eye damage.                        |
| <b>Ingestion</b>    | Toxic if swallowed. Causes digestive tract burns. |

**Symptoms related to the physical, chemical and toxicological characteristics** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Information on toxicological effects**

**Acute toxicity** Toxic by inhalation. Toxic if swallowed. May cause respiratory irritation.

| <b>Product</b>                           | <b>Species</b> | <b>Test Results</b> |
|------------------------------------------|----------------|---------------------|
| Hydrochloric Acid - Sierra Muriatic Acid |                |                     |
| <b><u>Acute</u></b>                      |                |                     |
| <b>Dermal</b>                            |                |                     |
| LD50                                     | Mouse          | 1449 mg/kg          |
| <b>Inhalation</b>                        |                |                     |
| LC50                                     | Mouse          | 1108 ppm, 1 Hours   |
|                                          | Rat            | 3124 ppm, 1 Hours   |
| <b>Oral</b>                              |                |                     |
| LD50                                     | Rabbit         | 900 mg/kg           |
| <b>Components</b>                        | <b>Species</b> | <b>Test Results</b> |
| Hydrochloric acid (CAS 7647-01-0)        |                |                     |
| <b><u>Acute</u></b>                      |                |                     |
| <b>Dermal</b>                            |                |                     |
| LD50                                     | Mouse          | 1449 mg/kg          |
| <b>Inhalation</b>                        |                |                     |
| LC50                                     | Mouse          | 1108 ppm, 1 Hours   |
|                                          | Rat            | 3124 ppm, 1 Hours   |
| <b>Oral</b>                              |                |                     |
| LD50                                     | Rabbit         | 900 mg/kg           |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not available.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Hydrochloric acid (CAS 7647-01-0) 3 Not classifiable as to carcinogenicity to humans.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Respiratory tract irritation.

|                                                           |                                      |
|-----------------------------------------------------------|--------------------------------------|
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.                      |
| <b>Aspiration hazard</b>                                  | Not available.                       |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful. |

## 12. Ecological information

|                    |                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

| Product                                  | Species | Test Results                                                        |
|------------------------------------------|---------|---------------------------------------------------------------------|
| Hydrochloric Acid - Sierra Muriatic Acid |         |                                                                     |
| <b>Aquatic</b>                           |         |                                                                     |
| Fish                                     | LC50    | Western mosquitofish ( <i>Gambusia affinis</i> ) 282 mg/l, 96 hours |
| Components                               | Species | Test Results                                                        |
| Hydrochloric acid (CAS 7647-01-0)        |         |                                                                     |
| <b>Aquatic</b>                           |         |                                                                     |
| Fish                                     | LC50    | Western mosquitofish ( <i>Gambusia affinis</i> ) 282 mg/l, 96 hours |

\* Estimates for product may be based on additional component data not shown.

|                                      |                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Persistence and degradability</b> | No data is available on the degradability of this product.                                                                                                                              |
| <b>Bioaccumulative potential</b>     | No data available.                                                                                                                                                                      |
| <b>Mobility in soil</b>              | No data available.                                                                                                                                                                      |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                                                                                                                                                                                                                   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                                                                                                                                                                                                 |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.                                                                                                                                                                                                       |

## 14. Transport information

### DOT

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1789                                                                  |
| <b>UN proper shipping name</b>      | Hydrochloric acid                                                       |
| <b>Transport hazard class(es)</b>   |                                                                         |
| Class                               | 8                                                                       |
| Subsidiary risk                     | -                                                                       |
| Label(s)                            | 8                                                                       |
| Packing group                       | III                                                                     |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | A3, IB3, T4, TP1, TP12                                                  |
| <b>Packaging exceptions</b>         | 154                                                                     |
| <b>Packaging non bulk</b>           | 203                                                                     |
| <b>Packaging bulk</b>               | 241                                                                     |

### DOT BULK

#### BULK

|                                |                   |
|--------------------------------|-------------------|
| <b>UN number</b>               | UN1789            |
| <b>UN proper shipping name</b> | Hydrochloric acid |

**Transport hazard class(es)**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>Class</b>                        | 8                                                                       |
| <b>Label(s)</b>                     | 8                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | A3, IB3, T4, TP1, TP12                                                  |
| <b>Packaging exceptions</b>         | 154                                                                     |
| <b>Packaging non bulk</b>           | 203                                                                     |
| <b>Packaging bulk</b>               | 241                                                                     |

**IATA**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1789                                                                  |
| <b>UN proper shipping name</b>      | Hydrochloric acid                                                       |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 8                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>Environmental hazards</b>        | No.                                                                     |
| <b>ERG Code</b>                     | 8L                                                                      |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other information</b>            |                                                                         |
| <b>Passenger and cargo aircraft</b> | Allowed.                                                                |
| <b>Cargo aircraft only</b>          | Allowed.                                                                |

**IMDG**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1789                                                                  |
| <b>UN proper shipping name</b>      | HYDROCHLORIC ACID                                                       |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 8                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>Environmental hazards</b>        |                                                                         |
| <b>Marine pollutant</b>             | No.                                                                     |
| <b>EmS</b>                          | F-A, S-B                                                                |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

**DOT; DOT Bulk packaging type****IATA; IMDG**

## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Hydrochloric acid (CAS 7647-01-0) Listed.

#### SARA 304 Emergency release notification

Hydrochloric acid (CAS 7647-01-0) 5000 LBS

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

| Chemical name | CAS number | Reportable quantity | Threshold planning quantity | Threshold planning quantity, lower value | Threshold planning quantity, upper value |
|---------------|------------|---------------------|-----------------------------|------------------------------------------|------------------------------------------|
|---------------|------------|---------------------|-----------------------------|------------------------------------------|------------------------------------------|

|                   |           |      |         |  |  |
|-------------------|-----------|------|---------|--|--|
| Hydrochloric acid | 7647-01-0 | 5000 | 500 lbs |  |  |
|-------------------|-----------|------|---------|--|--|

**SARA 311/312 Hazardous chemical** Yes

#### SARA 313 (TRI reporting)

| Chemical name     | CAS number | % by wt.  |
|-------------------|------------|-----------|
| Hydrochloric acid | 7647-01-0  | 30 - < 40 |

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Hydrochloric acid (CAS 7647-01-0)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Hydrochloric acid (CAS 7647-01-0)

#### Clean Water Act (CWA)

Hazardous substance

#### Section 112(r) (40 CFR 68.130)

#### Safe Drinking Water Act (SDWA)

Not regulated.

#### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Hydrochloric acid (CAS 7647-01-0) 6545

#### Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Hydrochloric acid (CAS 7647-01-0) 20 %WV

#### DEA Exempt Chemical Mixtures Code Number

Hydrochloric acid (CAS 7647-01-0) 6545

### US state regulations

#### US - New Jersey RTK - Substances: Listed substance

Hydrochloric acid (CAS 7647-01-0)

#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

#### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Hydrochloric acid (CAS 7647-01-0)

#### US. Massachusetts RTK - Substance List

Hydrochloric acid (CAS 7647-01-0)

#### US. New Jersey Worker and Community Right-to-Know Act

Hydrochloric acid (CAS 7647-01-0)

**US. Pennsylvania RTK - Hazardous Substances**

Hydrochloric acid (CAS 7647-01-0)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Hydrochloric acid (CAS 7647-01-0)

**US. Rhode Island RTK**

Hydrochloric acid (CAS 7647-01-0)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

|               |                                                |
|---------------|------------------------------------------------|
| Issue date    | 12-05-2017                                     |
| Revision date | 04-06-2018                                     |
| Version #     | 02                                             |
| NFPA ratings  | Health: 4<br>Flammability: 0<br>Instability: 0 |

**NFPA ratings****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 materials or in any process, unless specified in the text.