

# SAFETY DATA SHEET

27-Jul-2018

## 1. IDENTIFICATION

### Product identifier

**Product Name** TRANSCHEM Muriatic Acid

### Other means of identification

**Product Code** 26459565392

**UN/ID no.** 1789

### Recommended use of the chemical and restrictions on use

**Recommended Use** Swimming pool chemicals. Cleaning agent.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

KIK Pool Additives Inc  
5160 East Airport Drive  
Ontario, California 91761  
1-800-767-7665

### Emergency telephone number

**Emergency Telephone** Chemtrec (Transportation) 1-800-424-9300, 703-527-3887  
Poison Control Center (Medical) : (877) 800-5553

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

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

|  |            |
|--|------------|
| Acute toxicity - Oral                            | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists)        | Category 4 |
| Skin corrosion/irritation                        | Category 1 |
| Serious eye damage/eye irritation                | Category 1 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Corrosive to metals                              | Category 1 |

### Label elements

#### Emergency Overview

#### **Danger**

#### **Hazard statements**

Harmful if swallowed  
Causes severe skin burns and eye damage  
Harmful if inhaled  
May cause respiratory irritation. May cause drowsiness or dizziness  
May be corrosive to metals



**Color** amber colorless to light amber

**Physical state** liquid

**Odor** Pungent

**Precautionary Statements - Prevention**

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

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
 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 victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.  
 Absorb spillage to prevent material damage

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture

| Chemical Name     | CAS No.   | Weight-% |
|-------------------|-----------|----------|
| Hydrogen chloride | 7647-01-0 | 25-35    |

**4. FIRST AID MEASURES**

Description of first aid measures

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water. If symptoms persist, call a physician.

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|                   |   |
|-------------------|---|
| <b>Inhalation</b> | Remove to fresh air.  |
| <b>Ingestion</b>  | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician. |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions 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** Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Do not mix with other chemicals.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Strong oxidizing agents, Bases, Metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name                  | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|--------------------------------|----------------|--|--|
| Hydrogen chloride<br>7647-01-0 | Ceiling: 2 ppm | (vacated) Ceiling: 5 ppm<br>(vacated) Ceiling: 7 mg/m <sup>3</sup><br>Ceiling: 5 ppm<br>Ceiling: 7 mg/m <sup>3</sup> | IDLH: 50 ppm<br>Ceiling: 5 ppm<br>Ceiling: 7 mg/m <sup>3</sup> |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

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

- Eye/face protection** Tight sealing safety goggles.
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                                 |                       |                          |
|-----------------------|---------------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid                          | <b>Odor</b>           | Pungent                  |
| <b>Appearance</b>     | Clear with Blue Color           | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | amber, colorless to light amber |                       |                          |

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH                             | < 1                      |                         |
| Melting point / freezing point | No information available |                         |
| Boiling point / boiling range  | No information available |                         |
| Flash point                    | No information available |                         |
| Evaporation rate               | No information available |                         |
| Flammability (solid, gas)      | No information available |                         |
| Flammability Limit in Air      |                          |                         |
| Upper flammability limit:      | No information available |                         |
| Lower flammability limit:      | No information available |                         |
| Vapor pressure                 | No information available |                         |
| Vapor density                  | No information available |                         |
| Specific Gravity               | No information available |                         |
| Water solubility               | No information available |                         |
| Solubility in other solvents   | No information available |                         |
| Partition coefficient          | No information available |                         |
| Autoignition temperature       | No information available |                         |

|                                  |                          |
|----------------------------------|--------------------------|
| <b>Decomposition temperature</b> | No information available |
| <b>Kinematic viscosity</b>       | No information available |
| <b>Dynamic viscosity</b>         | No information available |
| <b>Density</b>                   | No information available |
| <b>Bulk density</b>              | No information available |
| <b>Explosive properties</b>      | No information available |
| <b>Oxidizing properties</b>      | No information available |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Do not mix with other chemicals. Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong oxidizing agents, Bases, Metals.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May be harmful if inhaled. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. May cause irritation of respiratory tract. |
| <b>Eye contact</b>  | Avoid contact with eyes. Risk of serious damage to eyes. May cause burns.   |
| <b>Skin contact</b> | Avoid contact with skin. May cause burns.   |
| <b>Ingestion</b>    | May be fatal if swallowed. Can burn mouth, throat, and stomach. Ingestion causes burns of the upper digestive and respiratory tracts.   |

| Chemical Name                  | Oral LD50               | Dermal LD50             | Inhalation LC50         |
|--------------------------------|-------------------------|-------------------------|-------------------------|
| Hydrogen chloride<br>7647-01-0 | 238 - 277 mg/kg ( Rat ) | > 5010 mg/kg ( Rabbit ) | = 1.68 mg/L ( Rat ) 1 h |

**Information on toxicological effects**

**Symptoms** No information available.

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

|                               |  |
|-------------------------------|--|
| <b>Sensitization</b>          | No information available.  |
| <b>Germ cell mutagenicity</b> | No information available.  |
| <b>Carcinogenicity</b>        | The table below indicates whether each agency has listed any ingredient as a carcinogen. |

| Chemical Name     | ACGIH | IARC    | NTP | OSHA |
|-------------------|-------|---------|-----|------|
| Hydrogen chloride | -     | Group 3 | -   | X    |

|           |  |  |  |
|-----------|--|--|--|
| 7647-01-0 |  |  |  |
|-----------|--|--|--|

IARC (International Agency for Research on Cancer)  
 Not classifiable as a human carcinogen

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Reproductive toxicity</b>    | No information available.       |
| <b>STOT - single exposure</b>   | No information available.       |
| <b>STOT - repeated exposure</b> | No information available.       |
| <b>Target Organ Effects</b>     | Eyes, Respiratory system, Skin. |
| <b>Aspiration hazard</b>        | No information available.       |

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name                  | Algae/aquatic plants | Fish   | Crustacea |
|--------------------------------|----------------------|--|-----------|
| Hydrogen chloride<br>7647-01-0 | -                    | 282: 96 h Gambusia affinis mg/L<br>LC50 static | -         |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container. Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.

**14. TRANSPORT INFORMATION**

**DOT**

|                             |  |
|-----------------------------|--|
| <b>UN/ID no.</b>            | 1789                                     |
| <b>Proper shipping name</b> | HYDROCHLORIC ACID SOLUTION               |
| <b>Hazard Class</b>         | 8  |
| <b>Packing Group</b>        | II                                       |
| <b>Description</b>          | UN1789 HYDROCHLORIC ACID SOLUTION, 8, II |

**IATA**

|                             |                            |
|-----------------------------|----------------------------|
| <b>UN/ID no.</b>            | 1789                       |
| <b>Proper shipping name</b> | HYDROCHLORIC ACID SOLUTION |

**Hazard Class** 8  
**Packing Group** II  
**Description** UN1789 HYDROCHLORIC ACID SOLUTION, 8, II

**IMDG**

**UN/ID no.** 1789  
**Proper shipping name** HYDROCHLORIC ACID SOLUTION  
**Hazard Class** 8  
**Packing Group** II  
**Description** UN1789 HYDROCHLORIC ACID SOLUTION, 8, II

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                 | SARA 313 - Threshold Values % |
|-------------------------------|-------------------------------|
| Hydrochloric Acid - 7647-01-0 | 1.0                           |

**SARA 311/312 Hazard Categories**

**Acute health hazard** Yes  
**Chronic Health Hazard** No  
**Fire hazard** No  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                  | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Hydrogen chloride<br>7647-01-0 | 5000 lb                     | -                      | -                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                  | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|--------------------------------|--------------------------|----------------|--|
| Hydrogen chloride<br>7647-01-0 | 5000 lb                  | 5000 lb        | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name     | New Jersey | Massachusetts | Pennsylvania |
|-------------------|------------|---------------|--------------|
| Hydrogen chloride | X          | X             | X            |

|           |  |  |  |
|-----------|--|--|--|
| 7647-01-0 |  |  |  |
|-----------|--|--|--|

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** This product does not contain any substances regulated as pesticides

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|                    |                  |                |                    |                                    |
|--------------------|------------------|----------------|--------------------|------------------------------------|
| <u><b>NFPA</b></u> | Health hazards 3 | Flammability 0 | Instability 1      | Physical and Chemical Properties - |
| <u><b>HMIS</b></u> | Health hazards 3 | Flammability 0 | Physical hazards 1 | Personal protection B              |

**Prepared By** Regulatory Affairs  
**Revision Date** 27-Jul-2018  
**Revision Note** No information available

**Disclaimer**

The information provided in this Material 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.

**End of Safety Data Sheet**