# Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 02/29/2016 Reviewed on 02/29/2016

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## 1 Identification

· **Product Identifier**

· **Trade name: Tex Clean Masonry Cleaner**
· **Relevant identified uses of the substance or mixture and uses advised against:** Masonry cleaner.
· **Product Description**
Cleans brick, colored mortar, stone, structural tile, exposed aggregate and other types of masonry construction and removes excess mortar and dirt.
· **Application of the substance / the mixture:**
Completely wet the surface to be cleaned with water. While still wet, apply diluted TEX-CLEAN to the surface with a dense packed, soft fiber masonry brush or power spray of less than 50 psi. Allow cleaning solution to stay on wall from 1 - 4 minutes, depending on absorption rates and drying conditions. Rinse off with plain water, then rinse a gain.

· **Details of the Supplier of the Safety Data Sheet:**
· **Manufacturer/Supplier:**
AHI Supply, LP.
2800 N Gordon
Alvin,TX 77511
Corp. 281-388-4500
Fax 281-331-9813
www.ahi-supply.com
· **Emergency telephone number:** CHEMTREC, USA: (800) 424 9300

## 2 Hazard(s) Identification

· **Classification of the substance or mixture:**


GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.


GHS07

STOT SE 3 H335 May cause respiratory irritation.

· **Label elements:**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**


GHS05 GHS07

· **Signal word:** Danger

· **Hazard-determining components of labeling:**
Hydrochloric acid
· **Hazard statements:**
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

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**Trade name: Tex Clean Masonry Cleaner**

· **Precautionary statements:**

| | |
|---|---|
| P260 | Do not breathe dusts or mists. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear eye protection / face protection. |
| P264 | Wash thoroughly after handling. |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P321 | Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P363 | Wash contaminated clothing before reuse. |
| P301+P330+P331 | If swallowed: Rinse mouth. Do NOT induce vomiting. |
| P405 | Store locked up. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**


Health = 3
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**


Health = 3
Fire = 0
Reactivity = 0

· **Hazard(s) not otherwise classified (HNOC):** None known

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## 3 Composition/Information on Ingredients

· **Non-hazardous components:**

| | | |
|---|---|---|
| 7732-18-5 | Water, distilled water, deionized water | 60-100% |

· **Chemical characterization: Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous Components:**

| | | |
|---|---|---|
| CAS: 7647-01-0<br>RTECS: MW 9620000 | Hydrochloric acid<br>Skin Corr. 1B, H314; Acute Tox. 4, H332; STOT SE 3, H335 | 20-30% |

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## 4 First-Aid Measures

· **Description of first aid measures:**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

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If skin irritation occurs, consult a doctor.

· ***After eye contact:***
Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Do not use neutralizing agents.

· ***After swallowing:***
Drink copious amounts of water and provide fresh air. Immediately call a doctor.
Do not induce vomiting without medical advice.
If vomiting does occur, repeat fluid administration

· ***Information for doctor:***

· ***Most important symptoms and effects, both acute and delayed:***
Exposure to the mist and vapor may erode exposed teeth.
Causes corrosive action on the mucous membranes.

· ***Indication of any immediate medical attention and special treatment needed:*** None.

## * 5 Fire-Fighting Measures

· ***Extinguishing media:***

· ***Suitable extinguishing agents:***
$CO_2$, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· ***Special hazards arising from the substance or mixture:***
Product is not flammable, but Hydrochloric acid reacts with all metals, except gold and platinum, causing rapid evolution of hydrogen, which is flammable and explosive in the air.

· ***Advice for firefighters:***

· ***Protective equipment:***
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## * 6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures:***
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Do not breathe vapor.
Avoid contact with skin, eyes and clothing.
Keep people at a distance and stay upwind.

· ***Environmental precautions:***
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.

· ***Reference to other sections:***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

## * 7 Handling and Storage

· ***Handling***

· ***Precautions for safe handling:***
Ensure good ventilation/exhaustion at the workplace.

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Prevent formation of aerosols.

· ***Information about protection against explosions and fires:***
Product is non-flammable, but Hydrochloric acid reats with metals, except gold and platinum, causing rapid evolution of hydrogen, which is flammable and explosive in the air.

· ***Conditions for safe storage, including any incompatibilities:***
Store away from strong bases, amines, Alkali metals, strong oxidizers, metal acetylides, hexalithium disilicide, metals, powdered metals, organic materials, carbides, cyanides, picrates, zinc iodide, azides, phosphorus, metal oxides, zeolites, and silicious compounds.

· ***Storage***

· ***Requirements to be met by storerooms and receptacles:*** Store in the original container.

· ***Information about storage in one common storage facility:*** Store in a segregated and approved area.

· ***Further information about storage conditions:*** Keep receptacle tightly sealed.

· ***Specific end use(s):*** Industry specific application.

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## 8 Exposure Controls/Personal Protection

· ***Additional information about design of technical systems:*** No further data; see section 7.

· ***Control parameters:***
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

| · ***Components with occupational exposure limits:*** | |
|---|---|
| **7647-01-0 Hydrochloric acid** | |
| PEL | Ceiling limit value: 7 mg/m³, 5 ppm |
| REL | Ceiling limit value: 7 mg/m³, 5 ppm |
| TLV | Ceiling limit value: 2.98 mg/m³, 2 ppm |

· ***Additional information:*** The lists that were valid during the creation of this SDS were used as basis.

· ***Exposure controls:***

· ***Personal protective equipment:***

· ***General protective and hygienic measures:***
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

· ***Breathing equipment:***

Suitable respiratory protective device recommended.

· ***Protection of hands:***

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Select glove material based on penetration times, rates of diffusion and degradation.

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· ***Material of gloves:***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
· ***Penetration time of glove material:***
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
· ***Eye protection:***

Tightly sealed goggles

· ***Body protection:***

Protective work clothing

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## 9 Physical and Chemical Properties

· ***Information on basic physical and chemical properties***
· ***General Information***
· ***Appearance:***

| | |
|---|---|
| ***Form:*** | Liquid |
| ***Color:*** | Colorless |
| · ***Odor:*** | Acrid |
| · ***Odor threshold:*** | Not determined. |
| · ***pH-value (100 g/l) @ 20 °C (68 °F):*** | < 2.0 |
| · ***Change in condition*** | |
| ***Melting point/Melting range:*** | Not determined. |
| ***Boiling point/Boiling range:*** | 100 °C (212 °F) |
| · ***Flash point:*** | None |
| · ***Flammability (solid, gaseous):*** | Product is not flammable. |
| · ***Ignition temperature:*** | Not determined |
| · ***Decomposition temperature:*** | Not determined. |
| · ***Auto igniting:*** | Product is not self-igniting. |
| · ***Danger of explosion:*** | Product does not present an explosion hazard. |
| · ***Explosion limits:*** | |
| ***Lower:*** | Not determined. |
| ***Upper:*** | Not determined. |
| · ***Vapor pressure @ 20 °C (68 °F):*** | 50-60 mm Hg |
| · ***Density @ 20 °C (68 °F):*** | 1.038 g/cm³ (8.662 lbs/gal) |
| · ***Relative density:*** | Not determined. |
| · ***Vapor density:*** | Not determined. |
| · ***Evaporation rate:*** | < 1.0 (n-butyl acetate = 1.0) |

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**Trade name: Tex Clean Masonry Cleaner**

· **Solubility in / Miscibility with:**
**Water:** Soluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**
**Dynamic:** Not determined.
**Kinematic:** Not determined.

· **Solvent content:**
**Organic solvents:** 0.0 %
**Water:** 60-100 %
· **Other information:** No further relevant information available.

## * 10 Stability and Reactivity

· **Reactivity:** Stable under normal conditions.
· **Chemical stability:** Stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions:** No dangerous reactions known.
· **Conditions to avoid:** Contact with strong oxidizers, alkaline chemicals and reactive metals.
· **Incompatible materials:**
Strong bases, amines, Alkali metals, strong oxidizers, metal acetylides, hexalithium disilicide, metals, powdered metals, organic materials, carbides, cyanides, picrates, zinc iodide, azides, phosphorus, metal oxides, zeolites, and silicious compounds.
· **Hazardous decomposition products:** Hydrogen Chloride gas.

## * 11 Toxicological Information

· **Information on toxicological effects:**
· **Acute toxicity:**

| · **LD/LC50 values that are relevant for classification:** | | |
|---|---|---|
| **7647-01-0 Hydrochloric acid** | | |
| Oral | LD50 | 700 mg/kg (rat)<br>900 mg/kg (rabbit) |
| Dermal | LD50 | 5010 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 6.41 mg/l (rat)<br>Exposure to the mist and vapor may erode exposed teeth. Causes corrosive action on the mucous membranes. |

· **Primary irritant effect:**
· **On the skin:**
Strong caustic effect on skin and mucous membranes.

| **7647-01-0 Hydrochloric acid** | | |
|---|---|---|
| Irritation of skin | Skin Irritation | (rabbit) |

· **On the eye:**
Strong irritant with the danger of severe eye injury.
Corrosive effect.

| **7647-01-0 Hydrochloric acid** | | |
|---|---|---|
| Irritation of eyes | Eye Irritation | (rabbit) |

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**Trade name: Tex Clean Masonry Cleaner**

· ***Additional toxicological information:***
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Corrosive
Irritant
Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· ***Carcinogenic categories:***
· ***IARC (International Agency for Research on Cancer):***
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

| | | |
|---|---|---|
| 7647-01-0 | Hydrochloric acid | 3 |

· ***NTP (National Toxicology Program):***
None of the ingredients are listed.

· ***OSHA-Ca (Occupational Safety & Health Administration):***
None of the ingredients are listed.

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## 12 Ecological Information

· ***Toxicity:***

· ***Aquatic toxicity:***

**7647-01-0 Hydrochloric acid**

| | |
|---|---|
| EC50 | 3.6 mg/l (Bluegill/sunfish) |
| | >56 mg/l (daphnia) |

· ***Persistence and degradability:***
The criteria used to determine biodegradability do not apply to inorganic substances.
· ***Behavior in environmental systems:***
· ***Bioaccumulative potential:*** Low potential to bioaccumulate.
· ***Mobility in soil:*** Low mobility in soil.
· ***Additional ecological information:***
· ***General notes:***
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
· ***Results of PBT and vPvB assessment:***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.
· ***Other adverse effects:*** No further relevant information available.

## 13 Disposal Considerations

· ***Waste treatment methods:***
· ***Recommendation:***
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.

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**Trade name: Tex Clean Masonry Cleaner**

· **Uncleaned packagings**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport Information

· **UN-Number:**
· **DOT, ADR, IMDG, IATA** UN1789
· **UN proper shipping name:**
· **DOT, IATA** Hydrochloric acid solution
· **ADR** UN1789 Hydrochloric acid solution
· **IMDG** HYDROCHLORIC ACID solution
· **Transport hazard class(es):**

· **DOT**


· **Class:** 8 Corrosive substances
· **Label:** 8

· **ADR**


· **Class:** 8 (C1) Corrosive substances
· **Label:** 8

· **IMDG, IATA**


· **Class:** 8 Corrosive substances
· **Label:** 8
· **Packing group:**
· **DOT, ADR, IMDG, IATA** II
· **Environmental hazards:** Not applicable.
· **Special precautions for user:** Warning: Corrosive substances
· **Danger code (Kemler):** 80
· **EMS Number:** F-A,S-B
· **Segregation groups:** Acids
· **Stowage Category** E
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

· **Transport/Additional information:**

· **DOT**
· **Quantity limitations:** On passenger aircraft/rail: 1 L
On cargo aircraft only: 30 L

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**Trade name: Tex Clean Masonry Cleaner**

· **ADR**
· **Excepted quantities (EQ):** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

· **IMDG**
· **Limited quantities (LQ):** 1L
· **Excepted quantities (EQ):** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
· **UN "Model Regulation":** UN 1789 HYDROCHLORIC ACID SOLUTION, 8, II

## 15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

| | |
|---|---|
| 7647-01-0 | Hydrochloric acid |

· **Section 313 (Specific toxic chemical listings):**

| | |
|---|---|
| 7647-01-0 | Hydrochloric acid |

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed or exempt from listing.

· **California Proposition 65:**
· **Chemicals known to cause cancer:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients are listed.

· **New Jersey Right-to-Know List:**
None of the ingredients are listed.

· **New Jersey Special Hazardous Substance List:**
None of the ingredients are listed.

· **Pennsylvania Special Hazardous Substance List:**
None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**
None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**

| | | |
|---|---|---|
| 7647-01-0 | Hydrochloric acid | A4 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
None of the ingredients are listed.

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**Trade name: Tex Clean Masonry Cleaner**

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**

GHS05 GHS07

· **Signal word:** Danger

· **Hazard-determining components of labeling:**
Hydrochloric acid
· **Hazard statements:**
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
· **Precautionary statements:**

| | |
|---|---|
| P260 | Do not breathe dusts or mists. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear eye protection / face protection. |
| P264 | Wash thoroughly after handling. |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P321 | Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P363 | Wash contaminated clothing before reuse. |
| P301+P330+P331 | If swallowed: Rinse mouth. Do NOT induce vomiting. |
| P405 | Store locked up. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

· **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision:** 02/29/2016 / -
· **Abbreviations and acronyms:**
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association

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ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· **** Data compared to the previous version altered.***