



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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SAFETY DATA SHEET

Hi Valley Chemical

Hydrochloric Acid 36%

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Hydrochloric Acid 36%
SDS Number: R-024
Product Code: 512001-PT, 51200-QT, 512001-1, 512001-5, 512001-30, 512001-55
Revision Date: 11/6/2015
Version: 1.0
CAS Number: 7647-01-0
Chemical Formula: HCl
Supplier Details: High Valley Products, Inc.
1134 West 850 North
Centerville, Utah 84014
Emergency: PERS: 800-633-8253
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2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Physical, Corrosive to Metals, 1
Health, Skin corrosion/irritation, 1 B
Health, Serious Eye Damage/Eye Irritation, 1
Health, Specific target organ toxicity - Single exposure, 3

GHS Label elements, including precautionary statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H336 - May cause drowsiness or dizziness

GHS Precautionary Statements:

P234 - Keep only in original container.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash _ thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment (see _ on this label).
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material damage.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P406 - Store in a corrosive resistant/_ container with a resistant inner liner.
P501 - Dispose of contents/container to _

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
7647-01-0	36%	Hydrochloric acid

4 FIRST AID MEASURES

Inhalation: If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact: Remove contaminated clothing immediately. Wash with soap and water. Consult a physician.
Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE FIGHTING MEASURES

Extinguishing media

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

Special hazards arising from the substance or mixture
Hydrogen chloride gas

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
No data

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist.
Storage Requirements: Keep container tightly closed. Store in cool/dry well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: Hydrochloric acid (7647-01-0) [36%]
Personal protective equipment

Appearance:	Colorless to slightly yellow.
Physical State:	Liquid
Odor:	Pungent
Odor Threshold:	No data available
Solubility:	soluble
Spec Grav./Density:	1.2
Viscosity:	No data available
Boiling Point:	> 100 °C (> 212 °F) - lit
Freezing/Melting Pt.:	-30 °C (-22 °F)
Flash Point:	No data available
Partition Coefficient:	No data available
Vapor Pressure:	227 hPa (170 mmHg) at 21.1 °C (70.0 °F); 547 hPa (410 mmHg) at 37.7 °C (99.9 °F)
Vapor Density:	No data available
pH:	No data available
Evap. Rate:	No data available
Auto-Ignition Temp:	No data available
Decomp Temp:	No data available
UFL/LFL:	No data available

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Incompatible materials.
Materials to Avoid:	Bases, Amines, Alkali metals, Metals, permanganates, e.g. potassium permanganate, Fluorine, metal acetylides, hexalithium disilicide
Hazardous Decomposition:	No data available

Hydrochloric acid (7647-01-0) [36%]

Information on toxicological effects

Acute toxicity:

no data available (Hydrochloric acid)

Inhalation: no data available (Hydrochloric acid)

Dermal: no data available (Hydrochloric acid)

Skin corrosion/irritation: Skin - rabbit Result: Causes burns.

Serious eye damage/eye irritation: Eyes - rabbit (Hydrochloric acid) Result: Corrosive to eyes

Respiratory or skin sensitisation: no data available (Hydrochloric acid)

Germ cell mutagenicity: no data available (Hydrochloric acid)

Carcinogenicity:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. (Hydrochloric acid)

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available (Hydrochloric acid)

Specific target organ toxicity - single exposure: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. (Hydrochloric acid)

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available (Hydrochloric acid)

Additional Information:

RTECS: MW4025000

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. (Hydrochloric acid)

12 ECOLOGICAL INFORMATION

Hydrochloric acid (7647-01-0) [36%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Gambusia affinis* (Mosquito fish) - 282 mg/l - 96 h (Hydrochloric acid):

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available (Hydrochloric acid)

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Hydrochloric acid (7647-01-0) [36%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

UN1789, Hydrochloric acid, 8, PGII

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

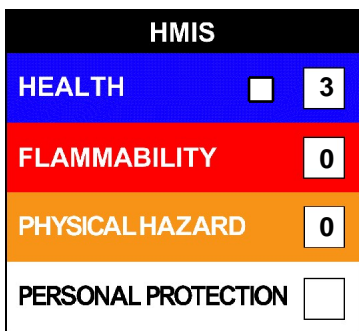
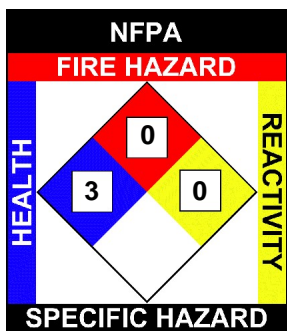
RQ(5000LBS), Hydrochloric acid (7647-01-0) [36%] CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJEHS, NJHS,

Regulatory CODE Descriptions

 RQ = Reportable Quantity
 CERCLA = Superfund clean up substance
 CSWHS = Clean water Act Hazardous substances
 EHS302 = Extremely Hazardous Substance
 EPCRAWPC = EPCRA water Priority Chemicals
 HAP = Hazardous Air Pollutants
 MASS = MA Massachusetts Hazardous Substances List
 NJEHS = NJ Extraordinarily Hazardous Substances
 NJHS = NJ Right-to-Know Hazardous Substances
 OSHAPSM = OSHA Chemicals Requiring process safety management
 OSHAWAC = OSHA workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 SARA313 = SARA 313 Title III Toxic Chemicals
 TSCA = Toxic Substances Control Act
 TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

NFPA: Health = 3, Fire = 0, Reactivity = 0, Specific Hazard = n/a
 HMIS III: Health = 3, Fire = 0, Physical Hazard = 0



Disclaimer:

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