



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

HYDROCHLORIC ACID, NF

30-5196

Section 1: Identification

Product Name HYDROCHLORIC ACID, NF

Commercial Name N/A

Product Use For use as excepiant

Restrictions On Use N/A

Product Code 30-5196

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:

CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

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

Signal Word DANGER

Hazard Statement(s) May be corrosive to metals.Causes severe skin burns and eye damage.May cause respiratory irritation

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	Do not breathe dust/fume/gas/mist/vapors/spray Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Use only outdoors or in a well-ventilated area Keep only in original container
Response	Immediately call a POISON CENTER or doctor/physician Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Skin IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Ingestion IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
Storage	Store locked up Store in a well-ventilated place. Keep container tightly closed Store in corrosive resistant polypropylene container with a resistant liner Store in a dry place
Disposal	Dispose of contents/container to an approved waste disposal plant

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture

Components Water, Hydrochloric Acid

% By Weight 62-65, 35-38

CAS# 7732-18-5, 7647-01-0

Molecular Weight 55.55

Chemical Formula HCL

Synonym(s) Muriatic acid; Hydrogen chloride; HCl (Technical/Certified ACS Plus/Optima/NF/FCC)

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Water	7732-18-5	62-65	N/A	N/A
Hydrochloric Acid	7647-01-0	35-38	N/A	N/A

Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately
Symptoms/Effects	
Acute	Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation
Delayed	N/A
Immediate Medical Attention	
Treat symptomatically	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire

Unsuitable Extinguishing Media

No information available

Products of Combustion

Hydrogen chloride gas

Firefighters Special Equipment and Precautions

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

Section 6: Accidental Release Measures

Personal Precautions Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Do not get in eyes, on skin, or on clothing. **Environmental Precautions** Should not be released into the environment. See Section 12 for additional Ecological Information. **Methods for Containment and Clean Up:** Soak up with inert absorbent material. Keep in suitable, closed containers for disposal

Section 7: Handling and Storage

Handling: Wear personal protective equipment/face protection. Do not breathe mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not ingest. If swallowed then seek immediate medical assistance. **Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. **Corrosives area.** **Incompatible Materials.** Metals. Strong oxidizing agents. Bases. sodium hypochlorite. Amines. Fluorine. Cyanides. Alkaline.

Section 8: Exposure Controls/Personal Protection

Exposure Limits

Component Hydrochloric acid ACGIH TLV Ceiling: 2 ppm OSHA PEL Ceiling: 5 ppm Ceiling: 7 mg/m³ (Vacated) Ceiling: 5 ppm (Vacated) Ceiling: 7 mg/m³ NIOSH IDLH IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m³ MEXICO OEL (TWA) Ceiling: 2 ppm Legend ACGIH - American Conference of Governmental Industrial Hygienists OSHA - Occupational Safety and Health Administration NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health Engineering Measures Ensure that eyewash stations and safety showers are close to the workstation location. Personal Protective Equipment Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures

Engineering Controls**Personal Protection**

Page 4 / 8 Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	Colorless	pH	<1
Odor	Pungent	Vapor Pressure	125 mbar @ 20 °C
Odor Threshold	No information available	Vapor Density	1.27
Melting Point	-35 °C / -31 °F	Viscosity	1.8mPa.s @ 15°C
Freezing Point		Evaporation Rate	No information available
Boiling Point/Range	57 °C / 135 °F @ 760 mm		
Decomposition temperature	No information available		
Partition Coefficient: n-octanol/water	No data available		
Flash Point	No information available	Autoignition temperature	No information available
Flammability	Not applicable	Flammability or Explosive Limits:	
		Lower	No data available
		Upper	No data available
Solubility(ies)	Soluble in water		
Other	N/A		

Section 10: Stability and Reactivity

Reactivity	None known, based on information available
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Incompatible products. Excess heat
Incompatible Materials	Metals, Strong oxidizing agents, Bases, sodium hypochlorite, Amines, Fluorine, Cyanides,
Hazardous Decomposition Products	Hydrogen chloride gas

Section 11: Toxicological Information
RTECS N/A

Acute Toxicity

Product Information Oral LD50 Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. Dermal LD50 Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. Vapor LC50 Based on ATE data, the classification criteria are not met. ATE > 20 mg/l

Skin Corrosion/Irritation

Causes burns by all exposure routes

Serious Eye Damage/Irritation

No information available

Respiratory or Skin Sensitization

No information available

Germ Cell Mutagenicity

No information available.

Carcinogenicity

Ingredients are not listed as a carcinogen

Reproductive Toxicity

No information available.

Routes of Entry

Component Water Hydrochloric acid LD50 Oral - 238 - 277 mg/kg (Rat) LD50 Dermal - > 5010 mg/kg (Rabbit) LC50 Inhalation 1.68mg/L (Rat) 1 h



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Symptoms Related to Exposure

None known

Potential Health Effects

Single exposure: Respiratory system

Target Organ(s)

No information available.

Section 12: Ecological Information

Ecotoxicity

Do not empty into drains. Large amounts will affect pH and harm aquatic organisms. Component Hydrochloric acid Freshwater Algae - Freshwater Fish 282 mg/L LC50 96 h Gambusia affinis mg/L LC50 48 h Leuciscus idus Microtox - Water Flea 56mg/L EC50 72h Daphnia

Persistence and Degradability

Persistence is unlikely based on information available.

Bioaccumulative Potential

No information available

Mobility in Soil

Will likely be mobile in the environment due to its water solubility

Other Adverse Effects

N/A

Section 13: Disposal Considerations

Waste Disposal

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

N/A

Other Considerations

N/A

Section 14: Transport Information

DOT Classification

UN-No UN1789 Proper Shipping Name HYDROCHLORIC ACID Hazard Class 8 Packing Group II

Section 15: Regulatory Information

Regulations

United States of America Inventory Component CAS No TSCA TSCA Inventory notification - Active-Inactive TSCA - EPA Regulatory Flags Water 7732-18-5 X ACTIVE - Hydrochloric acid 7647-01-0 X ACTIVE - Legend:

Other

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed TSCA 12(b) - Notices of Export Not applicable International Inventories Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL). Component CAS No DSL NDSL EINECS PICCS ENCS ISHL AICS IECSC KECL Water 7732-18-5 X - 231-791-2 X X X X KE-35400 Hydrochloric acid 7647-01-0 X - 231-595-7 X X X X X KE-20189 KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>) U.S. Federal Regulations SARA 313 Component CAS No Weight % SARA 313 - Threshold Values % Hydrochloric acid 7647-01-0 35-38 1.0 SARA 311/312 Hazard Categories See section 2 for more information CWA (Clean Water Act) Component CWA - Hazardous Substances CWA - Reportable Quantities CWA - Toxic Pollutants CWA - Priority Pollutants Hydrochloric acid X 5000 lb - - Clean Air Act Component HAPS Data Class 1 Ozone Depleters Class 2 Ozone Depleters Hydrochloric acid X - OSHA - Occupational Safety and Health Administration Not applicable Component Specifically Regulated Chemicals Highly Hazardous Chemicals Hydrochloric acid - TQ: 5000 lb 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) Component Hazardous Substances RQs CERCLA EHS RQs Hydrochloric acid 5000 lb 5000 lb California Proposition 65 This product does not contain any Proposition 65 chemicals. U.S. State Right-to-Know Regulations Component Massachusetts New Jersey Pennsylvania Illinois Rhode Island Water - - X - - Hydrochloric acid X X X X X U.S. Department of Transportation Reportable Quantity (RQ): Y DOT Marine Pollutant N DOT Severe Marine Pollutant N U.S. Department of Homeland Security This product contains the following DHS chemicals: Legend - STQs = Screening Threshold Quantities, APA = A placarded amount Component DHS Chemical Facility Anti-Terrorism Standard Hydrochloric acid Release STQs - 15000lb (concentration >=37%) Release STQs - 5000lb (anhydrous) Theft STQs - 500lb (anhydrous) Other International Regulations Mexico - Grade No information available Authorisation/Restrictions according to EU REACH Component REACH (1907/2006) - Annex XIV - Substances Subject to Authorization REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC) Hydrochloric acid - Use restricted. See item 75. (see link for restriction details) Safety, health and environmental regulations/legislation specific for the substance or mixture Component CAS No OECD HPV Persistent Organic Pollutant Ozone Depletion Potential Restriction of Hazardous Substances (RoHS) Water 7732-18-5 Listed Not applicable Not applicable

Section 16: Other Information

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