

# SAFETY DATA SHEET



**Product Name: ACCO Hydro7-L**

Release Date: 8/25/2022

Product Number: 101-0290, 102-03015, 102-03055, 102-03275, 102-03330

## Section 1. Identification

Product Identifier:	ACCO Hydro7-L
Other means of identification:	Hydrochloric Acid Solution; Hydrogen Chloride Solution
CAS Number:	7647-01-0
Recommended Use:	Reserved for industrial and professional use.
Recommended Restrictions:	None listed.
Supplier/Distributor Information:	ACCO Unlimited Corporation 5105 NW Johnston Dr. Johnston, IA 50131 (800) 548-2226

**EMERGENCY PHONE NUMBER: 800-424-9300 CHEMTREC**

## Section 2. Hazard(s) Identification

OSHA/HCS status.....This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture.....Corrosive to metals - Category 1  
Skin Corrosion/Irritation - Category 1B  
Serious Eye Damage/Eye Irritation - Category 1  
Specific Target Organ Systemic Toxicity/Single Exposure - Category 3 (Respiratory system)

GHS label elements:  
Hazard pictograms



Signal Word: Danger

Hazard Statements: May be corrosive to metals.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

Precautionary statements

Prevention: Keep only in original container. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: 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. Immediately call a POISON CENTER/ doctor. 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. 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 to an approved waste disposal plant.

Other hazards: None known.

### Section 3. Composition/information on ingredients

Substance/Mixture: Mixture

Chemical Name	CAS Number	% by Wt.
Water	7732-18-5	Balance
Hydrogen Chloride	7647-01-0	31.5 - 34.0%

### Section 4. First aid measures

General advice: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If inhaled: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact: Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact: Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Take victim immediately to hospital.

If swallowed: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

### Section 5. Fire-fighting measures

Suitable extinguishing media: Use an extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: High volume water jet.

Specific hazards during fire-fighting: Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products: Toxic fumes.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Neutralize with chalk, alkali solution or ammonia. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

## Section 7. Handling and storage

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Advice on safe handling: Avoid formation of aerosol. Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid: Do not store near acids.

## Section 8. Exposure controls/personal protection

### Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
7647-01-0	Hydrochloric acid	C	2 ppm	ACGIH
		C	5 ppm 7 mg/m <sup>3</sup>	NIOSH REL
		C	5 ppm 7 mg/m <sup>3</sup>	OSHA Z-1
		C	5 ppm 7 mg/m <sup>3</sup>	OSHA P0

### Personal protective equipment

Respiratory protection: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. In the case of vapor formation use a respirator with an approved filter.

Hand protection: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection: Eye wash bottle with pure water. Tightly fitting safety goggles. Wear face-shield

and protective suit for abnormal processing problems.  
Skin and body protection: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

## Section 9. Physical and chemical properties

Appearance	Liquid
Color	Colorless
Odor	pungent
Odour Threshold	No data available
pH	< 1
Freezing Point	No data available
Boiling Point	No data available
Flash point	Does not flash
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Relative density	1.1789 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	No data available
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Thermal decomposition	No data available

## Section 10. Stability and reactivity

Reactivity: No dangerous reaction known under conditions of normal use.  
Chemical stability: Stable under normal conditions.  
Possibility of hazardous reactions: No decomposition if stored and applied as directed.  
Conditions to avoid: Keep away from heat, flame, sparks and other ignition sources.  
Incompatible materials: Acids, Amines, Ammonia, Brass, Chlorinated hydrocarbons, Metals, Metallic oxides, Nitrates, Sodium hypochlorite, Steel, Strong bases, Strong oxidizing agents, Sulphides, Water, Aluminum, Peroxides.

## Section 11. Toxicological information

### Acute toxicity

#### Components:

##### **7647-01-0:**

Acute inhalation toxicity : LC50 (Rat, male): 8.3 mg/l  
Exposure time: 0.5 h  
Test atmosphere: dust/mist

### Skin corrosion/irritation

#### Components:

##### **7647-01-0:**

Species: Rabbit  
Result: Causes severe burns.

### Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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.

### STOT - single exposure

#### Components:

##### **7647-01-0:**

Target Organs: Respiratory system, Lungs

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

### Further information

#### Product:

Remarks: No data available

## Section 12. Ecological information

Ecotoxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

### Other adverse effects

Product:

Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances. Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No data available.

## Section 13. Disposal considerations

### Disposal methods

Waste from residues: Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

## Section 14. Transport information

DOT (Department of Transportation): UN1789, Hydrochloric acid, 8, II

IATA (International Air Transport Association): UN1789, Hydrochloric acid, 8, II

IMDG (International Maritime Dangerous Goods): UN1789, HYDROCHLORIC ACID, 8, II

## Section 15. Regulatory information

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrochloric acid	7647-01-0	5000	14285

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrochloric acid	7647-01-0	5000	14285

**SARA 311/312 Hazards** : Corrosive to metals  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**SARA 302** :

**SARA 313** : 7647-01-0 Hydrochloric acid  
The following components are subject to reporting levels established by SARA Title III, Section 313:

7647-01-0 Hydrochloric acid

#### Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

7647-01-0 Hydrochloric acid

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

7647-01-0 Hydrochloric acid

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

#### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

7647-01-0 Hydrochloric acid

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

7647-01-0 Hydrochloric acid

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

#### Massachusetts Right To Know

7647-01-0 Hydrochloric acid

#### Pennsylvania Right To Know

7732-18-5 Water

7647-01-0 Hydrochloric acid

**California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TSCA : On TSCA Inventory  
DSL : All components of this product are on the Canadian DSL  
AICS : On the inventory, or in compliance with the inventory  
NZIoC : Not in compliance with the inventory  
ENCS : On the inventory, or in compliance with the inventory  
KECI : On the inventory, or in compliance with the inventory  
PICCS : On the inventory, or in compliance with the inventory  
IECSC : On the inventory, or in compliance with the inventory

## Section 16. Other information

### HMIS III

Health: 3  
Flammability: 0  
Reactivity: 4

### NFPA

Health: 3  
Flammability: 0  
Reactivity: 0  
Special Hazard: None

### SDS Abbreviations

N.A. = Not Applicable  
N.D. = Not Determined  
HAP = Hazardous Air Pollutant  
VOC = Volatile Organic Compound  
C = Ceiling Limit  
N.E./Not Estab. = Not Established

Date of revision: 7/26/2022

### Disclaimer:

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, ACCO Unlimited Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, ACCO Unlimited Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either express or implied, or merchantability fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.



CERTIFIED TO  
NSF/ANSI/CAN 60

Maximum use for potable  
water is 44mg/L.