

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Enviro-Syn® HCR-7000-WL+
Product code : F17007

1.2. Other means of identification

Synonyms : Not available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Acid replacement

1.4. Supplier's details

Cooper Natural Resources
7755 Bellaire Dr. S.
Ft. Worth, TX 76132
United States of America
T +1 817-244-9700

1.5. Emergency phone number

Emergency number : Chemtrec (US & Canada) 1-800-424-9300

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Corrosive to metals, Category 1	H290	May be corrosive to metals.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Full text of H statements : see section 16		

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) :

- H290 - May be corrosive to metals
- H315 - Causes skin irritation
- H318 - Causes serious eye damage

Precautionary statements (GHS US) :

- P234 - Keep only in original packaging.
- P264 - Wash hands, forearms and face thoroughly after handling.
- P280 - Wear protective gloves, protective clothing, eye and face protection.
- P302+P352 - If on skin: Wash with plenty of water.
- 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 or doctor.
- P321 - Specific treatment (see supplemental first aid instruction on this label).

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P332+P313 - If skin irritation occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P390 - Absorb spillage to prevent material-damage.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

3 to 7 % of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3 Composition/information on ingredients

Mixtures

Name	Common Name (Synonyms)	Product identifier	Conc. (% w/w)
Hydrochloric acid	Hydrogen chloride / Muriatic acid	CAS-No.: 7647-01-0	10 - 30*
Proprietary*	Proprietary*	CAS-No.: Trade Secret	3 - 7*

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.
Personal protection for first-aid responders : First-aiders should consider self-protection and use the recommended personal protective equipment (see section 8).

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : None under normal conditions.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.
Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Store in corrosive resistant container with a resistant inner liner. Keep only in original container.
Incompatible materials : Store away from incompatible materials (see Section 10).
Packaging materials : Always store product in container of same material as original container.

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SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Hydrochloric acid (7647-01-0)	
USA - ACGIH® - Threshold Limit Values	
ACGIH® TLV® C	2 ppm
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
OSHA PEL C	7 mg/m³
	5 ppm
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Hydrogen chloride [Hydrochloric acid; Muriatic acid]
Cal/OSHA PEL (OEL TWA)	0.45 mg/m³
	0.3 ppm
Cal/OSHA C	2 ppm
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - NIOSH - Occupational Exposure Limits	
Local name	Hydrogen chloride
NIOSH REL C	5 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Proprietary	
USA - ACGIH® - Threshold Limit Values	
ACGIH® TLV® TWA	10 mg/m³
ACGIH® TLV® STEL	20 mg/m³
Remark (ACGIH®)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2025
USA - Cal/OSHA - Occupational Exposure Limits	
Cal/OSHA PEL (OEL TWA)	10 mg/m³
Cal/OSHA STEL	20 mg/m³
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

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Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Opaque, white to amber liquid.
Color	: White to amber
Odor	: Slightly acidic
Odor threshold	: No data available
pH	: < 1
Melting point	: Not applicable
Freezing point	: 18 °F
Boiling point	: > 212 °F
Flash point	: > 212 °F
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.087
Density	: 1.085 g/ml
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

May react vigorously with alkaline materials.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Bases. May be corrosive to metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Enviro-Syn® HCR-7000-WL+	
ATE US (oral)	3975 mg/kg body weight
ATE US (dust, mist)	7.14 mg/l/4h
Unknown acute toxicity (GHS US)	3 to 7 % of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Hydrochloric acid (7647-01-0)	
LD50 oral rat	700 mg/kg
LD50 dermal rabbit	> 5010 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.04 mg/l/4h
ATE US (oral)	700 mg/kg body weight
ATE US (dust, mist)	1.04 mg/l/4h

Proprietary	
LD50 oral rat	1410 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
ATE US (oral)	1410 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.
pH: < 1
Serious eye damage/irritation : Causes serious eye damage.
pH: < 1
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

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Hydrochloric acid (7647-01-0)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Hydrochloric acid (7647-01-0)	
LOAEC (inhalation, rat, dust/mist/fume)	50 mg/l
NOAEC (inhalation, rat, dust/mist/fume)	20 mg/l
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Proprietary	
NOAEL (oral, rat, 90 days)	≈ 1695.7 mg/kg body weight

Aspiration hazard : Not classified

Hydrochloric acid (7647-01-0)	
Viscosity, kinematic	1.933 mm²/s

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : None under normal conditions.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term : Not classified
(acute)
Hazardous to the aquatic environment, long-term : Not classified
(chronic)

Proprietary	
LC50 - Fish [1]	42.91 mg/l
EC50 - Crustacea [1]	136.6 mg/l
ErC50 algae	1300 mg/l
NOEC (chronic)	2.52 mg/l
NOEC chronic fish	4.28 mg/l
NOEC chronic algae	2186 mg/l

12.2. Persistence and degradability

Enviro-Syn® HCR-7000-WL+	
Persistence and degradability	Not established.

Hydrochloric acid (7647-01-0)	
Persistence and degradability	Biodegradability: not applicable.

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Proprietary

Persistence and degradability	Biodegradability: not applicable.
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12.3. Bioaccumulative potential

Hydrochloric acid (7647-01-0)

Partition coefficient n-octanol/water (Log Pow)	0.25
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Proprietary

Bioaccumulative potential	Not bioaccumulative.
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12.4. Mobility in soil

Hydrochloric acid (7647-01-0)

Ecology - soil	No (test)data on mobility of the component(s) available. May be harmful to plant growth, blooming and fruit formation.
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Proprietary

Ecology - soil	Adsorption to soil is possible.
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12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
Ecological waste information	: The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

SECTION 14 Transport information

DOT	IMDG	IATA
14.1. UN number		
Not regulated	3264	3264
14.2. Proper Shipping Name		
Not regulated	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid mixture)	Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric acid mixture)
14.3. Transport hazard class(es)		
Not regulated	8	8

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DOT	IMDG	IATA
		
14.4. Packing group		
Not regulated	III	III
14.5. Environmental hazards		
Not regulated	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
Not regulated by the US DOT as per exemption 49 CFR 173.154(d)(1) for materials that are corrosive to aluminum only.		

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
Hydrochloric acid	CAS-No. 7647-01-0	10 - 30*%

Hydrochloric acid (7647-01-0)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	5000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb

Proprietary	
CERCLA RQ	5000 lb

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Hydrochloric acid(7647-01-0)	U.S. - Pennsylvania - RTK (Right to Know) List

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Component	State or local regulations
Proprietary()	U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Revision date : 1/8/2026

Issue date : 1/7/2026

Full text of hazard classes and H-statements	
H290	May be corrosive to metals
H315	Causes skin irritation
H318	Causes serious eye damage

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.