

**SECTION 1: PRODUCT IDENTIFICATION**

**Product Name:** Durável ECP  
**Synonyms:**  
**Product Number:** 10-ECP-1G (1-gallon jug), 10-ECP-5G (5-gallon pail)  
**Company:** Durável  
**Address:** 1212-A Graphic Ct., Charlotte NC 28206  
**Business Phone:** (704) 837-7991  
**Emergency Phone:** Chemtrec US (800) 424-9300 CNN 874540  
**Date of Current Revision:** January 12, 2023

**SECTION 2: HAZARD IDENTIFICATION**

Classification of the Substance or Mixture

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

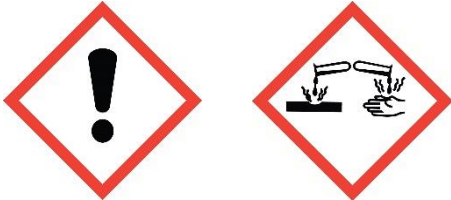
Skin Irritation, H315	Category 2
Eye Irritation, H319	Category 2A
Specific target organ toxicity, single exposure, H335 (respiratory system)	Category 3
Corrosive to Metals, H290	Category 1

For the full text of the H-Statements mentioned in this Section, see Section 16

**EMERGENCY OVERVIEW:** This product is a translucent orange liquid.

**WARNING**

**Hazard Statements**  
H290 May be corrosive to metals.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.



**Precautionary Statements**

- P234 Keep only in original container.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ eye protection/ face protection.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340+ P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.
- P390 Absorb spillage to prevent material damage.
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P406 Store in corrosive resistant container with a resistant inner liner.
- P501 Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS**

**Substance**

This material is regulated as a solution

Chemical Name	CAS No.	Weight - %	Trade Secret
Hydrochloric Acid	7647-01-0	<11%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4: FIRST-AID MEASURES**

**Description of First Aid Measures**

- General Advice** Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
- Inhalation** IF INHALED: Remove to fresh air immediately. If breathing difficulty continues, Get Medical Help.
- Skin Contact** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Eye Contact** IF IN EYES: Flush thoroughly with water for 15 minutes, lifting both eyelids. If irritation persists, call an ophthalmologist. Remove contact lenses.

**Ingestion** IF SWALLOWED: DO NOT INDUCE VOMITING. Immediately make victim drink water (two glasses at most). Consult a physician.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5: FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**Specific hazards arising from the substance or mixture**

Hydrogen chloride gas

**Hazardous combustion products**

Reactions with aluminum may generate flammable Hydrogen Chloride gas.  
Ambient fire may liberate hazardous vapors.

**Explosion Data**

**Sensitivity to Mechanical Impact**

Not available

**Sensitivity to Static Discharge**

Not available

**Protective equipment and precautions for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Advice for non-emergency personnel**

Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. Protective equipment see section 8.

**Advice for emergency responders**

**Environmental Precautions**

**Environmental precautions** Do not let product enter drains.

**Methods and material for containment and cleaning up**

**Methods for containment** Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10).

**Methods for cleaning up** Take up with liquid-absorbent and neutralizing material. Dispose of properly. Clean up affected area.

For disposal see section 13.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice for safe handling** Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas. Use, store, and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container.

**Hygiene Measures** Ensure good ventilation. Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. Keep away from foodstuffs, beverages, and feed. Avoid contact with the eyes and skin.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** No metal containers. Tightly closed. Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

**SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION**

Control parameters

Ingredients with workplace control parameters

Chemical Name	Value	Control Parameters	Basis
Hydrochloric Acid 7647-01-1	C	2 ppm	USA. ACGIH Threshold Limit Values (TLV)
	C	5 ppm 7 mg/m3	USA. NIOSH Recommended Exposure Limits
	C	5 ppm 7 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	PEL	0.3 ppm 0.45 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
	C	2 ppm	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Remarks: Hydrochloric Acid not classifiable as a human carcinogen

Appropriate engineering controls

**Exposure Controls** Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Individual protection measures, such as personal protective equipment

**Eye and face protection** Safety glasses

**Skin and body protection** Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact. Non-absorptive boots.

**Respiratory protection** Required when vapors/aerosols are generated.

**Control of environmental exposure** Do not let product enter drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Cherry
<b>Appearance</b>	Transparent	<b>Odor Threshold</b>	No data available
	Liquid		
<b>Color</b>	Orange		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
<b>pH</b>	<1 at 20 °C (68 °F)	
<b>Melting point/freezing point</b>	-30 °C (-22 °F)	
<b>Boiling point/Boiling range</b>	> 100 °C > 212 °F - lit.	
<b>Flash point</b>	Not Applicable	
<b>Evaporation rate</b>	Not Available	
<b>Flammability (solid, gas)</b>	Not Available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	Not Available	
<b>Lower flammability limit:</b>	Not Available	
<b>Vapor pressure</b>	227 hPa at 21.1 °C (70.0 °F) 547 hPa at 37.7 °C (99.9 °F)	
<b>Vapor density</b>	Not Available	
<b>Relative density</b>	Not Available	
<b>Water solubility</b>	Soluble	
<b>Solubility in other solvents</b>	Not Available	
<b>Partition coefficient</b>	Not Available	
<b>Autoignition temperature</b>	Not Applicable	
<b>Decomposition temperature</b>	Not Available	
<b>Kinematic viscosity</b>	Not Available	
<b>Dynamic viscosity</b>	Not Available	
<b>Explosive properties</b>	Not Available	
<b>Oxidizing properties</b>	Not Available	

Other Information

<b>Softening point</b>	Not Relevant
<b>Molecular weight</b>	Not Available
<b>VOC Content (%)</b>	Not Applicable
<b>Density</b>	Not Available
<b>Bulk Density</b>	Not Available

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

Reactions with aluminum may generate flammable Hydrogen Chloride gas.

**Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature).

**Possibility of Hazardous Reactions**

Reactions with aluminum may generate flammable Hydrogen Chloride gas.

**Conditions to avoid**

Avoid contact with aluminum and other metals.

**Incompatible materials**

Bases, Amines, Alkali metals, Metals, permanganates, for example potassium permanganate, Fluorine, metal acetylides, hexalithium disilicide

**Hazardous Decomposition Products**

In the event of fire: see section 5

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

Mixture – Acute Toxicity

Symptoms:	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
Symptoms:	Mucosal irritations, Cough, Shortness of breath Possible damages: damage of respiratory tract
Dermal:	No data available
Skin corrosion/ irritation	Mixture causes burns
Serious eye damage/ eye irritation	Mixture causes serious eye damage. Risk of blindness!
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

Carcinogenicity	IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No ingredient 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 on OSHA's list of regulated carcinogens.
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	Mixture may cause respiratory irritation.
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

**Additional Information**

RTECS: MW4025000

Other dangerous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12: ECOLOGICAL INFORMATION****Toxicity**

Mixture No data available

**Persistence and degradability**

No data available

**Bioaccumulation**

No data available

**Mobility in Soil**

No data available

**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

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste treatment methods**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

**SECTION 14: TRANSPORTATION INFORMATION****DOT**

<b>UN/ID no.</b>	1789
<b>Proper Shipping Name</b>	Hydrochloric Acid, Solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Reportable Quantity (RQ)</b>	N/A
<b>Poison Inhalation Hazard</b>	No

**IMDG**

<b>UN/ID no.</b>	1789
<b>Proper Shipping Name</b>	Hydrochloric Acid, Solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>EMS-No</b>	F-A, S-B

**IATA**

<b>UN/ID no.</b>	1789
<b>Proper Shipping Name</b>	Hydrochloric Acid, Solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

**SECTION 15: REGULATORY INFORMATION****SARA 302 Components**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Component	CAS-No.	Revision Date
Hydrochloric Acid	7647-01-0	2013-02-08

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

Component	CAS-No.	Revision Date
Hydrochloric Acid	7647-01-0	2013-02-08

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

Component	CAS-No.	Revision Date
Hydrochloric Acid	7647-01-0	2013-02-08

**New Jersey Right To Know Components**

Component	CAS-No.	Revision Date
Hydrochloric Acid	7647-01-0	2013-02-08

**SECTION 16: OTHER INFORMATION**

**Issue Date** November 1, 2022

**Revision Date** January 12, 2023

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. 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. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

**END OF SAFETY DATA SHEET**