

# SAFETY DATA SHEET

**PRODUCT NAME:** Accepta 2317

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Chemical Identity Inhibited hydrochloric acid  
Recommended use: Descaling liquid

Supplier Accepta Limited  
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS CONTRIBUTING TO HAZARD CLASSIFICATION AND/OR HAVE COMMUNITY WORKPLACE EXPOSURE LIMITS

	CAS No	Contents	Health (class)	Risk(R)
Product contains: Hydrochloric acid	7647-01-0	25-30%	C	34, 37

## 3. HAZARD IDENTIFICATION OF PREPARATION

Symbol(s) C Risk Phrase(s) R34, R37  
Causes burns  
Irritating to respiratory system and eyes

## 4. FIRST AID MEASURE

General Instructions: In all cases of doubt, or when symptoms persist, seek more advice. Remove from exposure, rest and keep warm. Seek medical attention, treat symptomatically.

Skin Contact: Drench affected area with plenty of water, remove contaminated clothing immediately. Seek medical attention.

Eye Contact: Irrigate the eyes thoroughly with water for at least 15 minutes, holding the eyelids apart if necessary. Obtain medical attention.

Ingestion: Wash out mouth with water and give plenty of water to drink. DO NOT induce vomiting. Obtain medical attention.

## 5. FIRE FIGHTING MEASURE

Extinguishing Media Select extinguishing medium appropriate to other materials involved in and/or to the circumstances of the fire. Use fog equipment in the absence of fog equipment a fire spray may be used.

Unsuitable Extinguishing Media None specified

Hazardous Combustion Products Non flammable. May generate toxic and explosive fumes in a fire

Special equipment for fire fighting Fire fighters should wear self contained breathing apparatus and full body protective clothing

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with the liquid. Ventilate the area to dispel vapour. Full body protective clothing should be worn when dealing with spillages.

Environmental Precautions Do not allow to enter water course or drains.

Clean up Procedure Small spillages: dilute greatly with water, neutralise, then wash away with large quantities of water.  
Large spillages: May be washed to drain with large quantities of water. Neutralise with a suitable reagent and flush away large quantities of water.

## 7. HANDLING AND STORAGE

Handling Exposure by inhalation or skin contact should be minimised by good industrial hygiene practice.

Storage Store in a well ventilated area away from incompatible materials

## 8. EXPOSURE CONTROLS

Exposure Limit For Hydrochloric acid MEL: 2mg/m<sup>3</sup> STEL: 8mg/m<sup>3</sup>

### Protective Measures

Respiratory: In the event where significant exposure is possible wear self contained breathing apparatus

Hand: Wear suitable impervious gloves

Eye: Wear chemical goggles

Skin: Wear suitable overalls

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Red, cloudy liquid	Solubility in water	Complete
Odour	Strong fuming	Solubility in other solvents	Not known
pH	<1	Partition coefficient and N-octanol/water	—
Boiling Point/Boiling Range	97°C		
Melting Point/Melting Range	N/A	Other Data	None
Flash Point	N/A		
Flammability	Non flammable		
Autoflammability	N/A		
Explosive Properties	N/A		
Oxidising Properties	N/A		
Vapour Pressure	6.0m bar 20°C		
Relative Density	@15.5°C 1.14		

**10. STABILITY AND REACTIVITY**

Stability	Stable
Conditions to Avoid	Avoid exposure to high temperatures (see boiling point)
Materials to Avoid	Strong alkalies
Hazardous Decompositions	Attacks many metals with the liberation of hydrogen gas, which is highly flammable and may form an explosive mixture with air. Reactions may liberate toxic fumes of chlorine gas and corrosive fumes of hydrogen chloride.

**11. TOXICOLOGICAL INFORMATION**

Acute effects: liquid and vapour cause severe irritation and corrosion to skin, eyes, respiratory and digestive tracts.  
Lethal dosage: 900mg/kg (rabbit)

**12. ECOLOGICAL INFORMATION**

Environmental Effects	Practically non toxic to living resources 96 hr LC50 = 100 - 1000mg/L. Toxic to aquatic forms 280ppm in freshwater and 100ppm in saltwater can be lethal.
Mobility	n/a
Degradability	No reaction with air, salt or fresh water but generates heat on dilution
Bioaccumulative Potential	No evidence of
Marine Pollutant	No

**13. DISPOSAL CONSIDERATIONS**

Product :	In accordance with national waste regulations
Container:	Wash empty containers thoroughly with water before disposal

**14. TRANSPORT INFORMATION**LAND TRANSPORT

UN Class	8	Item Number	8.5°
UN Number	1789	ADR Class	8
		Packaging Group	III
Proper Shipping Name (PSN)	Hydrochloric acid inhibited UN No 1789		

SEA TRANSPORT

UN Number	1789	Class	8
Packing Group	III	Marine Pollutant	No
EMS	8-03	MFAG	700
		IMDG Code	8183
		PSN	Same as above

**15. REGULATORY INFORMATION**

Chemical identity:	Inhibited Hydrochloric acid
Labelling according to the chemical (Hazard Information and Packaging) Regulations 2002, CHIP 3	
EEC Number	231-595-7
Symbol(s)	C, Corrosive
RiskPhrase(s)	R34 - Causes burns R37 - Irritating to the respiratory system
Safety Phrase(s)	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin wash immediately with plenty of water and seek medical advice. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

**16. OTHER INFORMATION**

Further details might be available upon request from Accepta Limited.