

# PRODUCT SAFETY DATA SHEET

## 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: Hydraclean  
Supplier: Chemical Solutions  
42 Kennel Lane  
Fetcham  
Surrey KT22 9PJ  
0870 2408893

## 2 INFORMATION ON INGREDIENTS

Product Description: Aqueous solution of Hydrochloric acid, surfactants and perfume.

Hazardous Ingredients:

Material or Component	CAS No	% Range	Symbol	Risk Phrases
Hydrochloric Acid	7647-01-0	5-30	C	R34

## 3 HAZARDS IDENTIFICATION

Irritating to eyes and skin

## 4 FIRST AID MEASURES

Eyes: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart for at least 10 minutes. If irritation persists obtain medical attention.

Skin: Remove contaminated clothing. Wash off immediately with water. Obtain immediate medical attention.

Ingestion: Wash out mouth with water, then give plenty of milk or water to drink and obtain medical attention, showing the label.

Inhalation: Remove patient from exposure. Obtain medical attention if ill effects occur.

## 5 FIRE FIGHTING MEASURES

Extinguishing Media: Not classed as flammable. If involved in fire, may emit noxious fumes. Foam, dry powder or carbon dioxide.

Protective Equipment for Fire Fighting: Breathing apparatus recommended.

## 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear gloves and eye/face protection

Environmental Precautions: Wash spillage area with plenty of water. Flush washings to a sewage treatment system. Spillages or uncontrolled discharges into water courses must be alerted to National Rivers Authority.

Spillages: Absorb with sand, earth or other suitable absorbent material. Transfer to a container for disposal according to local regulations.

## 7 HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Wear gloves, protective clothing and eye/face shield.

Storage: Store in a cool place in the original container, tightly closed. Keep away from bleaches.

## 8 PERSONAL PROTECTION/EXPOSURE CONTROLS

Respiratory Protection: None required when used in well ventilated areas.

Hand Protection: Rubber gloves.

Eye Protection: Eye protection recommended

Skin Protection: Heavy duty overalls

INGREDIENT	CAS No.	STD	LT EXP. 8hrs	ST EXP 15min
Hydrochloric Acid	7647-01-0	OES	1ppm	5ppm

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Colour:	Blue Viscous liquid
Odour:	Perfumed
pH Value:	2 +/- 1
Boiling Range (°C):	100
Melting Point (°C):	N/A
Flash Point (°C):	Boils without flashing
Auto Ignition Temp. (°C):	N/A
Explosive Limits in Air:	N/A
Vapour Pressure @20°C:	No data
Relative Density @20°C:	1.05+/- 0.02
Water Solubility:	Soluble
Other Data:	

## **10 STABILITY AND REACTIVITY**

Conditions to Avoid:	Freezing.
Materials to Avoid:	Bleach, acids and oxidising agents
Hazardous Decomposition:	Hydrogen Chloride

## **11 TOXICOLOGICAL INFORMATION**

Eye Contact:	Irritant
Skin Contact:	May be irritant to sensitive skin.
Ingestion:	May cause irritation to mouth. May cause nausea and diarrhoea.
Inhalation:	N/A

## **12 ECOLOGICAL INFORMATION**

Biodegradability:	Fully biodegradable. Not regarded as dangerous to the environment.
Toxicity:	LD50 Hydrochloric Acid 900 mg/kg (oral rabbit)
Effect on Effluent Treatment:	No effect.
Mobility:	N/A

## **13 DISPOSAL CONSIDERATIONS**

Product:	Dispose of in accordance with waste disposal regulations.
Packages:	Dispose of in accordance with waste disposal regulations.

## **14 TRANSPORT INFORMATION**

Classification for Transport:	Corrosive Class 8
UN Number:	1760
UN Proper Shipping Name:	Corrosive Liquid N.O.S. (Contains Hydrochloric Acid)
ADR/RID Class:	Class 8 : Corrosive substance.
ADR/RID Item No.:	80 Corrosive or slightly corrosive substance.
IMDG Packaging Group:	III
IMDG Class:	8

## **15 REGULATORY INFORMATION**

EEC Classification:	Irritant Xi.
Risk Phrases:	R36/37/38 Irritating to eyes, respiratory system and skin.
Safety Phrases:	S2: Keep out of reach of children. S24/25: Avoid contact with eyes and skin. S26: In case of contact with eyes, rinse immediately with plenty of water and seek immediate medical advice. S35: This material and its container must be disposed of in a safe way. S46: If swallowed, wash out mouth, then drink plenty of milk or water, and seek medical attention immediately, showing the container

## **16 OTHER INFORMATION**

This data sheet was prepared in accordance with Directive 91/155/EEC.  
Conforms to CHIP3 2002.  
Revision Date; December 2003