

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier

Hydrochloric Acid 10 - 25%

Trade Name: TA Minus / TA Reducer

Index No: 017-002-01-X

CAS No: 7647 - 01 - 11

EC No: 231-595-7

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: At this time we do not yet have information on identified uses.

Restrictions: At this time we do not yet have information on identified uses.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Skin Corr.	1B		H314
STOT	SE3		H335

For the full text of the H statements mentioned in this section see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard Symbol/Category of danger	Risk phrases
Corrosive	R34
Irritant	R37

For the full text of the R phrases mentioned in this section see Section 16.

Most important adverse effects

Human Health:	See section 11 for toxicological information.
Physical & Chemical Hazards:	See section 9 for toxicological information.
Potential environmental effects:	See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



Signal word:

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

Precautionary statements:

Prevention P405+P102 Store locked up / Keep out of reach of children

Trade Name: TA Minus / TA Reducer

2. Hazard Identification...cont

Precautionary statements:

Response

P309+P311

If exposed or if you feel unwell: Call a poison centre or doctor

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazardous components which must be listed on the label

Hydrochloric Acid

2.3 Other Hazards

No other information is available.

3. Composition/information on ingredients

3.1 Substances

Chemical nature:

Aqueous solution

Chemical Name

Hydrochloric Acid

Identification Numbers

Index-No. 017-002-01-X

CAS-No. 7647 - 01 - 11

EC-No. 231-595-7

Amount %

10 - 25%

4. First Aid measures

4.1 Description of first aid measures

General Advice:

Take off all contaminated clothing immediately.

If inhaled: :

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Call a physician immediately

In case of skin contact:

Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention

In case of eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if necessary.

If swallowed:

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:

No further information available.

Effects:

No further information available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment

Treat Symptomatically.

5. Fire fighting measures**5.1 Extinguishing media:**

Suitable extinguishing media: Use extinguishing measures that are appropriate and local, circumstances and the surrounding environment. This product itself does not burn.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire fighting: May evolve toxic fumes in fire (Hydrogen Chloride, toxic chlorine compounds).

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).

Further Information: Collect contaminated fire extinguishing water separately. Cool closed containers exposed to fire with water spray.

6. Accidental release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions: Use personal protective equipment. Provide adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.

Local authorities should be advised if significant spillages cannot be contained

6.3 Methods and materials for containment and cleaning up

Absorb on an inert absorbent, transfer to a suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling: Keep container tightly closed. Use personal protective equipment. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

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7. Handling and storage continued**7.1 Precautions for safe handling**

Hygiene measures:

Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture

Advice on protection against fire:

Normal measures for preventive fire protection

Further information on storage conditions:

Keep tightly closed in a dry and cool place. Keep in a well ventilated place. Product is hygroscopic.

Advice on common storage:

Keep away from food, drink and animal feeding stuffs. Keep away from

7.3 Specific end uses

Specific use(s)

No information is available.

8. Exposure control/personal protection**8.1 Control parameters**

Component: hydrochloric acid

CAS No: 7664-93-9

Regulatory Basis:

EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

Regulatory List:

OES – Hydrogen chloride (gas and aerosol mists)

Value type:

Long Term

Value:

2mg/m³ (1ppm)

Value type:

Short Term

Value:

8mg/m³ (5ppm)

8.2 Exposure controls**Engineering measures**

Fume cupboard required when vapours/aerosol are generated.

Personal protective equipment

Respiratory protection Advice:

Self-contained breathing apparatus required when vapours/aerosols are generated.

Hand protection Advice:

The glove material has to be impermeable to the product/the substance/preparation.
Take note of the information given by the producer concerning permeability, break through times, and of special and of special working conditions (mechanical strain, duration of contact).
Protective gloves should be replaced at first sign of wear.
Due to missing tests no recommendation to the glove material can be given.

Eye protection

Advice: Tightly fitting safety goggles.

Skin and body protection

Advice: Plastic apron, sleeves, boots-if handling large quantities

Environmental exposure controls

General advice:

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities

Local authorities should be advised if significant spillages cannot be contained

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	Liquid
Colour:	colourless
Odour:	Pungent, Characteristic
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Less than 1
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	101 – 104°C
Flash point:	Currently we do not have any information from our supplier about this.
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	Currently we do not have any information from our supplier about this.
Vapour pressure:	Less than 5 at 15°C (measured in millibars)
Relative vapour density:	1.04 – 1.12 at 20°C
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	completely miscible.
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, kinematic:	Currently we do not have any information from our supplier about this.
Explosive properties:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information**10. Stability and reactivity****10.1 Reactivity**

Advice: Can react violently with oxidising agents liberating chlorine.

10.2 Chemical stability

Advice: Attacks most common metals liberating hydrogen, which can form explosive mixtures with air.

10.3 Possibility of hazardous reactions

Hazardous reactions: Gives off hydrogen by reaction with metals. Reacts exothermic with water.

10.4 Conditions to avoid

Conditions to avoid No information available.

10.5 Incompatible materials

Materials to avoid Amines, carbides, hydrides, fluorine, alkali metals, metals, bases, salts of oxyhalogenic acids, aldehydes, sulphides.

10.6 Hazardous decomposition products

Hazardous decomposition products: Hydrogen chloride

11. Toxicological Information**11.1 Information on toxicological effects**

Component: hydrochloric acid

CAS No: 7664-93-9

**Acute Toxicity
Oral**

Remarks Ingestion may cause damage to the gastrointestinal tract. Repeated exposure to low levels may cause erosion of the teeth and ulceration of the nasal septum and gums

Inhalation

Remarks Inhalation of mists and vapour will cause irritation of the upper respiratory tract, high concentrations may cause corrosion, pulmonary oedema may occur up to 48 hours after exposure.

Skin

Remarks Causes severe skin burns and eye damage

Eyes

Remarks Risk of serious damage to eyes

Sensitisation

Remarks: No further information available

Further information

Other relevant toxicity information: Irritating to mucous membranes

12. Ecological Information**12.1 Toxicity**

Component: hydrochloric acid

CAS No: 7664-93-9

**Acute toxicity
Fish**

Species: Leuciscus idus
Value type: LC50
Value: 25 mg/l

Toxicity to daphnia and other aquatic invertebrates

Species: Daphnia magna
Value type: EC50
Value: 6 mg/l

12.2 Persistence and degradability

Remarks: Neutralised slowly by natural alkalinity.

12.3 Bioaccumulative potential

Remarks: Material does not bioaccumulate.

12.4 Mobility in soil

Remarks: Volatile liquid, soluble in water, predicted to have high mobility in soil.

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Remarks: Harmful effects to aquatic organisms due to pH shift
Neutralization is normally necessary before waste water is discharged into water treatment plants.

13. Disposal Considerations**13.1 Waste treatment methods**

Product:	Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging:	Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product
European Waste Catalogue No:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information

14.1 UN Number 1789

14.2 UN proper shipping name

ADR:	HYDROCHLORIC ACID SOLUTION
RID:	HYDROCHLORIC ACID SOLUTION
IMDG:	HYDROCHLORIC ACID SOLUTION

14.3 Transport hazard class(es)

ADR Class	8
(Label, classification code; Hazard ID; Tunnel Restriction code)	8; c1; 80; (E)
RID Class	8
(Label, Classification Code; Hazard ID;)	8; c1; 80;
IMDG Class	8
(Labels; EmS)	8; 5B

14.4 Packaging Group

ADR:	II
RID:	II
IMDG:	II

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR:	No
Labelling according to 5.2.1.8 RID:	No
Labelling according to 5.2.1.8 IMDG:	No
Classification as environmentally hazardous according to 2.9.3 IMDG:	no
Classified as 'P' according to 2.10 IMDG:	no

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG:	IBC02, P001
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Trade Name: TA Minus / TA Reducer

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

Sulphuric acid:

Regulatory List	Notification	Notification No
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15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R34 Causes burns

R37 Irritating to respiratory system

Full text of H-statements referred to under sections 2 and 3

H314 Causes severe skin burns and eye damage

H335 May cause respiratory irritation

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR Dangerous goods Regulations by the 'International Air Transport Association' (IATA)

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS European Inventory of Existing Commercial Chemical Substances.

CAS: Chemicals Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	27/08/2008	Linda Brueford	
2	22/06/2011	Linda Brueford	Updated to 2011 European requirements