

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

1.1 Product Identifier

Trade Name: Compactal

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

Uses: Slatted cover cleaner

Restrictions: At this time we do not have information on use restrictions

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	Category 1B		H314
Specific target organ toxicity-	Category 3		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 (C)	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 physicochemical information

Potential environmental effects: See section 12 for environmental 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+H336: May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+310: If exposed or concerned: Immediately call a POISON CENTRE or doctor/physician

Hazardous components which must be listed on the label

Hydrochloric acid and phosphoric acid

2.3 Other Hazards

No other information is available

3. Composition/information on ingredients**3.1 Substances**

Chemical nature: Aqueous solution

Chemical Name	Cas No:	EC No	Index No	%
hydrochloric acid	7647-01-0	231-595-7	017-002-01-X	10 - 25
phosphoric acid	7664-38-2	231-663-2		2.5 - 10

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. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact: Wash off immediately with plenty of soap & water. If irritation appears seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

If swallowed: Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting - seek medical advice. If a person vomits when lying on his back place him in the recovery position.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Corrosive effects

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 to local circumstances and

Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixtureSpecific Hazards during fire: Fire may cause evolution of Hydrogen chloride gas
Gives off hydrogen by reaction with metals**5.3 Advice for firefighters**Special protective equipment: In the event of fire, wear self-contained breathing apparatus.
Wear appropriate body protection (full protective suit).Further Information: Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise -with a risk of bursting.
Suppress (knock down) gases/vapours/mist s with a water spray jet.

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

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours. 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.
If material reaches soil inform authorities responsible for such cases.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) Keep in suitable closed containers for disposal.

Further Information: Treat recovered material as described in the section 'Disposal considerations'

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: Handle open container with care. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Use respirator with appropriate filter if vapours are released. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

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: Keep in an area equipped with acid resistant flooring. Suitable materials for containers: glass Polypropylene polyethylene. Unsuitable materials: Metals.

Advice on protection against fire and explosion: The product is not flammable. Gives off hydrogen by reaction with metals.

Further information: Keep container tightly closed. Keep in a well-ventilated place. Store in a cool place.

Advice on common storage: Keep away from food, drink and animal feedstuffs. Corrosive in contact with metals. Materials to avoid sodium hypochlorite, alkalis.

German storage class: 8B: Corrosive substances

Storage Temperature: No further information available

7.3 Specific end uses

Specific use(s) No information available

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

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

Component: hydrochloric acid	CAS No: 7647-01-0
Regulatory List: EU ELV	EU ELV
Value type: Short Term Exposure Limits (STEL)	Time Weighted Average (TWA):
Value: 10 ppm	5 ppm
Value: 15 mg/m ³	8 mg/m ³
Remarks: Indicative	Indicative

Component: phosphoric acid	CAS No: 7664-38-2
Regulatory Basis: EU ELV	EU ELV
Regulatory List: Short Term Exposure Limits (STEL)	Time Weighted Average (TWA):
Value: 2 mg/m ³	1 mg/m ³

8.2 Exposure controls

Engineering measures Refer to protective measures listed in sections 7 and 8

Personal protective equipment

Respiratory protection

Advice: Use respirator with appropriate filter if vapours or aerosol are released
Required, if exposure limit is exceeded
Combination filter: E-P2

Hand protection

Advice: Gloves
Material: Due to missing tests no recommendation can be given

Eye protection

Advice: Tightly fitting safety goggles

Skin and body protection

Advice: Acid resistant protective clothing

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer systems

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

Form:	Liquid
Colour:	Colourless to yellowish
Odour:	Stinging
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	<1
Melting Point	Undetermined
Boiling point:	100°C
Flash point:	not applicable
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.
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Water solubility:	Completely soluble
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 ha 20 ° C
Explosive properties:	Product does not present an explosion hazard
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

No further information available

10. Stability and reactivity**10.1 Reactivity**

Advice: This product is a very reactive substance that can react with many inorganic and organic compounds.

10.2 Chemical stability

Advice: Stable under normal conditions of use

10.3 Possibility of hazardous reactions

Hazardous reactions: Hydrogen, by reaction with metals,

10.4 Conditions to avoid

Conditions to avoid No information available

10.5 Incompatible materials

Materials to avoid Metals sodium hypochlorite Strong oxidising agents

10.6 Hazardous decomposition products

Hazardous decomposition products: Hydrogen chloride gas

11. Toxicological Information**11.1 Information on toxicological effects****Acute Toxicity:**

Value type	LD50
Value	900 mg/kg
Species	Rabbit

Primary Irritant effect:

On the skin: corrosive effects
On the eyes: risk of serious damage to eyes

Sensitization: No sensitizing effects known

Carcinogenic There is no evidence that this substance has any carcinogenic properties.

Mutagenic There is no evidence that this substance is mutagenic

Other relevant toxicity: Avoid repeated exposure

12. Ecological Information**12.1 Toxicity**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

12.2 Persistence and degradability

Persistence No information available

Biogradability The contained surfactants are biodegradable

12.3 Bioaccumulative potential

Bioaccumulation is not expected

12.4 Mobility in soil

Remarks: Expected to be mobile in soil

12.5 Results of PBT and PvB

Not classified vPvB substance: Non-classified PBT substance

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 required according to local regulations. Do not let product enter drains. Contact waste
Contaminated packaging:	Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are 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	3264
14.2 UN proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(HYDROCHLORIC ACID)
14.3 Transport hazard class(es)	
Class	8
Classification Code	C1
Hazard label	8
Transport Category	3
Tunnel	E
EMS No	F-A-S-B
14.4 Packaging Group	II
14.5 Environmental hazards	
Classified as environmentally hazardous:	No
14.6 Special precautions for user	
Note:	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
IMDG:	Not applicable

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

UK ISR:	hydrochloric acid. Annual reporting level threshold; 10,000kg	
Regulatory List	Notification	Notification No
AICS	YES	
DSL	YES	
INV (CN)	YES	
ENCS (JP)	YES	(1) - 215
ISHL (JP)	YES	(1) - 215
TSCA	YES	
EINECS	YES	231-595-7
KECI (KR)	YES	97-1-203
KECI (KR)	YES	KE-20189
PICCS (PH)	YES	

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+H336: May cause respiratory irritation. May cause drowsiness or dizziness.

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 europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the

RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations

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	19/02/07	Linda Brueford	
2	21/11/08	Linda Brueford	Sections 2 & 3 swapped round to comply with REACH,
3	14/11/11	Linda Brueford	GHS label elements added, updated to European requirements and other minor editorial amendments