



SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: **Activ-8**
Datasheet Number: SP428A 1. 1. 0
Product Part Number: SP428A
Chemical Name: Dilute solution of blended inorganic acids

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

Pool / spa treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Total Pool Chemicals Ltd
Address of Supplier: Unit 1, Pool Bank Business Park
High Street, Tarvin
Chester CH3 8JH
UK
Telephone: +44 (0)1829 740290
Fax: +44 (0)1829 741855
Responsible Person: Steve Carder
Email: sales@totalpool.co.uk

1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Classification (67/548/EEC, 1999/45/EC)
- Not classified as hazardous for supply

2.2 Label elements

- Not Classified

2.3 Other hazards

- Mildly irritating to skin and eyes

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols	Index No.
Hydrochloric acid	10%	7647-01-0	231-595-7	R34, R37 H314, H335	C, Xi GHS05, GHS07	017-002-01-X
Phosphoric acid	<5%	7664-38-2	231-633-2	R34 H314	C GHS05	015-011-00-6

*See Section 16



4 First aid measures

4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN: Gently wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- May cause irritation

4.3 Indication of immediate medical attention and special treatment needed

5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, alcohol resistant foam or dry agent for extinction

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.

5.3 Advice for firefighters

- Wear protective clothing as per section 8

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- The undiluted product must not be used in a confined space without good ventilation
- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Wash to waste with plenty of water

6.4 Reference to other sections

- See Section 7 & 8

7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Do not get in eyes, on skin, or on clothing.

7.2 Conditions for safe storage, including any incompatibilities

- Protect from frost
- Store in a well-ventilated place.

7.3 Specific end use(s)

- No information available
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8 Exposure controls/personal protection

8.1 Control parameters

- OES / STEL 15.3 mg/m³

Hydrochloric acid

- WEL (short term) 0.1 ppm
- WEL (long term) 0.02 ppm

Phosphoric acid

- WEL (short term) 2 mg/m³
- WEL (long term) 1 mg/m³

8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
- In case of inadequate ventilation wear respiratory protection.



Respirator



Gloves



Goggles



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Very small
- Appearance: colourless to yellow, Liquid
- pH <2
- Boiling point - not known
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point - not known
- Completely soluble in water
- Fat solubility - not applicable
- Specific gravity (water=1) 1.04
- Flash point - not known
- Auto-ignition point - not applicable
- Log Pow - not known
- Evaporation rate - not applicable
- Viscosity - not known

9.2 Other information

10 Stability and reactivity

10.1 Reactivity

- No decomposition if stored normally.

10.2 Chemical stability

- No decomposition if stored normally.

10.3 Possibility of hazardous reactions

- No information available



10 Stability and reactivity (....)

10 .4 Conditions to avoid

- Keep away from frost

10 .5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with alkalis (strong bases)

10 .6 Hazardous Decomposition Products

- Decomposition products include chlorine.
- Decomposition products may include phosphorous compounds
- Decomposition products may include hydrogen chloride

11 Toxicological information

11 .1 Information on toxicological effects

- LD50 (oral,rat) 1530 mg/kg
- LD50 (skin,rabbit) 2740 mg/kg

Inhalation

- May cause irritation

Contact with skin

- May cause irritation

Contact with eyes

- May cause redness and irritation

Ingestion

- No information available but must be considered harmful

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No evidence of reproductive effects

Mutagenicity

- No evidence of mutagenic effects

12 Ecological information

12 .1 Toxicity

- LC50 (fish) >1000 mg/l (96 hr)

12 .2 Persistence and degradability

- No information available

12 .3 Bioaccumulation Potential

- No information available

12 .4 Mobility in soil

- No information available

12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII



12 Ecological information (....)

12 .6 Other Adverse Effects

- On available data, substance is not harmful to the environment

13 Disposal considerations

13 .1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
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14 Transport information

14.1 UN Number

N/A

14.2 UN Proper Shipping Name

N/A

14.3 Transport hazard class(es)

N/A

14.4 Packing group

N/A

14 .5 Environmental hazards

- Presents little or no hazard to the environment

14 .6 Special precautions for user

- No special precautions are required for this product

14 .7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not hazardous according to current ADR Regulations
- Not hazardous according to current IATA Regulations
- Not hazardous according to current ICAO Regulations
- Not hazardous according to current RID Regulations

Other information

Road/Rail (ADR/RID)

Proper Shipping Name: Not hazardous
ADR Hazard Class:
Tunnel Code:

ADR UN No.:
ADR Packing Group:

Sea (IMDG)

Proper Shipping Name: Not hazardous
IMDG Hazard Class.:

IMDG UN No.:
IMDG Pack Group.:

Air (ICAO/IATA)

Proper Shipping Name: Not hazardous
ICAO Hazard Class.:

ICAO Un No.:
ICAO Packing Group.:

15 Regulatory information

15 .1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- The List of Wastes (England) Regulations 2005 apply in the UK
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15 Regulatory information (....)

- Not hazardous according to current CPL Regulations

15 .2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H314: Causes severe skin burns and eye damage.; H335: May cause respiratory irritation.; R34: Causes burns; R37: Irritating to respiratory system.

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.