

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

### 1.1 Product Identifier

Trade Name: Alka-m Photometer Test Tablets  
CAS No: 124-04-9  
EC No: 204-673-3

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

Uses: Testing Water  
Restrictions: At this time we do not yet have information on identified 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](mailto: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
Eye Irrit. 2	2		H319

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

Irritant	R36
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For the full text of the R phrases mentioned in this section see Section 16.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



Signal word: Warning

Hazard statements: H319 Causes serious eye irritation

Precautionary statements:

Prevention	P102	Keep out of reach of children
	P402	Store in a dry place.

Precautionary statements:

Response	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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#### Hazardous components which must be listed on the label

Adipic Acid

### 2.3 Other Hazards

No other information is available.

Trade Name: Alka-m Photometer Test Tablets

### 3. Composition/information on ingredients

#### 3.1 Substances

Chemical nature: Solid

Chemical Name	Identification Numbers		%	Hazard
	CAS-No.	EC-No.		
Adipic Acid	124-04-9	204-673-3	10-30%	Xi;R36
Ammonium thiosulphate	7783-18-8			

### 4. First Aid measures

#### 4.1 Description of first aid measures

If inhaled: Unlikely route of exposure as the product does not contain volatile substances.

If Ingested: Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately

In case of skin contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Get medical attention if irritation continues.

#### 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 appropriate to the surrounding environment.

Unsuitable extinguishing media: No information available.

#### 5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire fighting: Formation of toxic gases is possible during heating or fire.

#### 5.3 Advice for fire-fighters

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

Further Information: Pungent fumes evolved in fire so avoid breathing vapours.

### 6. Accidental release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Avoid causing dust. Wear protective equipment. For personal protection see section 8.

#### 6.2 Environmental precautions

Environmental precautions: Do not allow product to reach sewage systems or water bodies.

#### 6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up: Collect mechanically. Ensure adequate ventilation. Dispose of contaminated material according to item 13.

#### 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:	Use personal protective equipment. Avoid handling which leads to dust formation.
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 workday.

**7.2 Conditions for safe storage, including any incompatibilities.**

Requirements for storage areas and containers:	Keep in original containers. Store in a cool and well ventilated place.
Advice on protection against fire and	The product is not flammable.
Further information on storage	Store in closed containers in cool, well ventilated conditions. Store away from solvents. Protect from humidity and keep away from water.
Advice on common storage:	Store away from solvents.

**7.3 Specific end uses**

Specific use(s)	Water Testing
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**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.
Not regulated	

**8.2 Exposure controls**

<b>Engineering measures</b>	Refer to protective measures listed in sections 7 and 8.
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**Personal protective equipment**

Respiratory protection	Advice:	Using breathing protection against the effects of fumes/dust /aerosol.
Hand protection	Advice:	Use suitable protective gloves if risk of skin contact.
Glove thickness:		≥ 0.11mm
Material:		No recommendation
Eye protection	Advice:	Safety glasses
Skin and body protection	Advice:	Protective clothing.

**Environmental exposure controls**

General advice:	Good personal hygiene practises always advisable when working with chemicals.
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**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form:	Solid
Colour:	Yellow
Odour:	odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	3.5
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	265°C
Flash point:	>100°C
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:	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.
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:	405°C
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**

Molecular Weight:	Currently we do not have any information from our supplier about this.
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**10. Stability and reactivity****10.1 Reactivity**

Advice:	No information available.
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**10.2 Chemical stability**

Advice:	No decomposition if stored and applied as directed. No further information available.
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**10.3 Possibility of hazardous reactions**

Hazardous reactions:	No hazardous reactions known
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**10.4 Conditions to avoid**

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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**10.5 Incompatible materials**

Materials to avoid	No information available.
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**10.6 Hazardous decomposition products**

Hazardous decomposition products:	No information available
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**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity  
Oral**

Product:	adipic acid 124 - 04 -9	ammonium thiosulphate - 7783 - 18 8
Value type	LD50	LD50
Value	5700 mg/kg	2890 mg/kg
Species	Rat	Rat

**Primary Irritant effect**

On the skin: No irritant effect  
On the eye: Irritant effect

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

**Mutagenic** There is no evidence that this substance is mutagenic

**Sensitization:** No sensitizing effects known

**Additional toxicological information:** No further information available

**12. Ecological Information****12.1 Toxicity**

Product:	adipic acid	CAS No:	124-04-9
	EC50	86 mg/l/48h	(Daphnia magna)
	LC50	511 mg/l/48h	(Leuciscus idus)
		97 mg/l/96h	(Pimeohales promelas)

Remarks: Sulphates > 7 g/l Toxic for fish

**12.2 Persistence and degradability**

Remarks: No data available

**12.3 Bioaccumulative potential**

Remarks: No data available

**12.4 Mobility in soil**

Remarks: No data available

**12.5 Results of PBT and PvB assessment**

Remarks: No data available

**12.6 Other adverse effects**

BSBS 0.598 g/g (-)

Water hazard class 1 (German regulation) (self assessment); slightly hazardous for water. Do not allow undiluted produced or large quantities of it to reach ground water, water bodies or sewage system.

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

Product: Dispose of waste and residues in accordance with local authority requirements.

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

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.

Trade Name: Alka-m Photometer Test Tablets

#### 14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable

#### 15. Regulatory information

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

This product is not classified according to the EU regulations

##### 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  
R36 Irritating to eyes

Full text of H-statements referred to under sections 2 and 3  
H319 Causes serious eye 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:

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	12/02/2007	Linda Brueford	Created
2	10/06/09	Linda Brueford	Sections 2 & 3 swapped round to comply with REACH and other minor editorial amendments.
3	04/11/11	Linda Brueford	Updated to 2011 European requirements