



**SAFETY DATA SHEET**  
**BLUE CRYSTAL OMEGA TABLETS**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

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**1.1. Product identifier**

**Product name** BLUE CRYSTAL OMEGA TABLETS  
**Product number** 10226

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

**Identified uses** Water Treatment

**1.3. Details of the supplier of the safety data sheet**

**Supplier** Univar  
Aquarius House  
6 Mid Point Business Park  
Bradford  
BD3 7AY  
+44 1274 267300  
+44 1274 267306  
sds@univar.com

**1.4. Emergency telephone number**

**Emergency Contact Number (Office Hours)** +44 1274 267346  
**Emergency Contact Number (Outside Office Hours)** +441865 407333  
**Sds No.** 10226

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**SECTION 2: Hazards identification**

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**2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

**Health hazards**

Not Classified

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)****Environmental**

The product is not expected to be hazardous to the environment.

**2.2. Label elements****Hazard statements**

NC Not Classified

**2.3. Other hazards**

This substance is not classified as PBT or vPvB according to current EU criteria.

## BLUE CRYSTAL OMEGA TABLETS

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Composition comments** The data shown are in accordance with the latest EC Directives.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

##### Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. Do not induce vomiting.

##### Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

##### Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

##### Eye contact

May cause temporary eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

##### Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

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

##### Specific hazards

Oxides of the following substances: Carbon. Dust may form explosive mixture with air.

##### Hazardous combustion products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

##### Protective actions during firefighting

Contain and collect extinguishing water.

##### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

##### Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust. Provide adequate ventilation. Avoid contact with skin and eyes.

#### 6.2. Environmental precautions

##### Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### 6.3. Methods and material for containment and cleaning up

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### Methods for cleaning up

Avoid generation and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

#### Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid spilling. Avoid handling which leads to dust formation. Provide adequate ventilation. Avoid contact with skin and eyes.

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

#### Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### Ingredient comments

No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear rubber apron. Wear rubber footwear.

#### Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

#### Respiratory protection

No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

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Solid Pellets.

### Colour

Blue.

### Odour

No characteristic odour.

### pH

pH (diluted solution): >7

### Solubility(ies)

Soluble in water.

## 9.2. Other information

### Other information

Not determined.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

Not determined.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

#### Materials to avoid

Strong acids.

### 10.6. Hazardous decomposition products

Oxides of the following substances: Carbon.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Inhalation

Dust in high concentrations may irritate the respiratory system.

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

Powder may irritate skin.

#### Eye contact

Particles in the eyes may cause irritation and smarting.

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## SECTION 12: Ecological Information

### Ecotoxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

Not considered toxic to fish.

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### **12.2. Persistence and degradability**

#### **Persistence and degradability**

There are no data on the degradability of this product.

### **12.3. Bioaccumulative potential**

No data available on bioaccumulation.

### **12.4. Mobility in soil**

#### **Mobility**

The product is water-soluble and may spread in water systems.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

### **12.6. Other adverse effects**

Not determined.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **SECTION 14: Transport information**

### **General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not applicable.

### **14.3. Transport hazard class(es)**

Not applicable.

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

#### **Environmentally hazardous substance/marine pollutant**

No.

### **14.6. Special precautions for user**

Not applicable.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## **SECTION 15: Regulatory information**

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

#### **National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

#### **EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation,

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Authorisation and Restriction of Chemicals (REACH) (as amended).

### Guidance

CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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## SECTION 16: Other information

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### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

<b>Revision date</b>	30/06/2011
<b>Revision</b>	01
<b>SDS number</b>	10226
<b>SDS status</b>	Approved.
<b>Signature</b>	Jitendra Panchal
<b>Risk phrases in full</b>	NC Not classified.



## SAFETY DATA SHEET BLUE CRYSTAL ALPHA TABLETS

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name BLUE CRYSTAL ALPHA TABLETS

Product number 13428

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

Identified uses Water Treatment

#### 1.3. Details of the supplier of the safety data sheet

Supplier Univar  
Aquarius House  
6 Mid Point Business Park  
Bradford  
BD3 7AY  
+44 1274 267300  
sds@univar.com  
+44 1274 267306

#### 1.4. Emergency telephone number

Emergency Contact Number +44 1274 267346  
(Office Hours)

Emergency Contact Number +441865 407333  
(Outside Office Hours)

Sds No. 13428

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Repr. 1B - H360FD

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R38. Repr. Cat. 1 R60, R61

Environmental The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

##### Pictogram



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<b>Signal word</b>	Danger
<b>Hazard statements</b>	H315 Causes skin irritation. H360FD May damage fertility. May damage the unborn child.
<b>Precautionary statements</b>	P202 Do not handle until all safety precautions have been read and understood. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P501 Dispose of contents/container in accordance with national regulations.
<b>Contains</b>	ORTHOBORIC ACID

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>BORIC ACID</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 10043-35-3	EC number: 233-139-2	REACH registration number: 01-2119486683-25
<b>Classification</b> Repr. 1B - H360FD	<b>Classification (67/548/EEC or 1999/45/EC)</b> Repr. Cat. 2;R60,R61	
<b>LITHIUM HYDROXIDE MONOHYDRATE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 1310-66-3	EC number: 215-183-4	
<b>Classification</b> Skin Corr. 1B - H314 Acute Tox. 4 - H302 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. C;R34.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** The data shown are in accordance with the latest EC Directives.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. Do not induce vomiting.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

**Eye contact** May cause temporary eye irritation.



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### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

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

**Specific hazards** Oxides of the following substances: Carbon.

**Hazardous combustion products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Contain and collect extinguishing water.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust. Avoid contact with skin and eyes. Provide adequate ventilation.

#### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Avoid handling which leads to dust formation. Provide adequate ventilation.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

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### LITHIUM HYDROXIDE MONOHYDRATE

Short-term exposure limit (15-minute): 1

**Ingredient comments** No exposure limits known for ingredient(s).

### BORIC ACID (CAS: 10043-35-3)

**Ingredient comments** No exposure limits known for ingredient(s).

### CELLULOSE (CAS: 9004-34-6)

**Ingredient comments** No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear rubber apron. Wear rubber footwear.

#### Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

#### Respiratory protection

No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Solid Pellets.
Colour	Purple.
Odour	No characteristic odour.
pH	pH (diluted solution): >7
Solubility(ies)	Soluble in water.

### 9.2. Other information

**Other information** Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

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**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

**Materials to avoid** Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of the following substances: Carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Other health effects** Toxic to Reproduction Category 2.

### Acute toxicity - oral

**ATE oral (mg/kg)** 10,204.08163265

**Inhalation** Dust in high concentrations may irritate the respiratory system.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Powder may irritate skin.

**Eye contact** Particles in the eyes may cause irritation and smarting.

## SECTION 12: Ecological Information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not applicable.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

#### **Annex II of MARPOL 73/78 and the IBC Code**

### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
<b>Guidance</b>	CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

#### 15.2. Chemical safety assessment

## BLUE CRYSTAL ALPHA TABLETS

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 01/04/2015

**Revision** 02

**Supersedes date** 30/06/2011

**SDS number** 13428

**SDS status** Approved.

**Signature** Jitendra Panchal

**Risk phrases in full** R22 Harmful if swallowed.  
R34 Causes burns.

**Hazard statements in full** H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H360FD May damage fertility. May damage the unborn child.

**TURKISH SIGNATURE**