

# SAFETY DATA SHEET

## Zonalin, Alganol Powder

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Compilation date: 28/01/2019\*

Revision No: 2\*

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

#### 1.1. Product identifier

Product name: Zonalin / Alganol  
CAS number: 1314-13-2  
EINECS number: 215-222-5  
Index number: 030-013-00-7  
Synonyms: Accelerated Zinc Oxide

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

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

Company name: Associated Dental Products Ltd  
Purton  
Swindon  
SN5 4HT  
UK  
Tel: 01793 770256  
Email: [quality@Kemdent.co.uk](mailto:quality@Kemdent.co.uk)

#### 1.4. Emergency telephone number

### Section 2: Hazards identification

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

Classification under CLP: Aquatic Acute 1: H400; Aquatic Chronic 1: H410

Most important adverse effects: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Label elements:

Hazard statements: H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS09: Environmental



Signal words: Warning

Precautionary statements: P260: Do not breathe dust.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P314: Get medical attention if you feel unwell\*  
P391: Collect spillage.

[cont...]

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### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

Chemical identity: Zonalin /  
Alganol Powder

CAS number: 1314-13-2

EINECS number: 215-222-5

Contains: Zinc acetate; CAS 557-34-6\*; H400;H410;H302;H319

Less than 1% w/w

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be vomiting. There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: There may be vomiting and diarrhoea.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

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

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Exposure hazards: In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

[cont...]

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

Personal precautions: **Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.**

#### 6.2. Environmental precautions

Environmental precautions: **Do not discharge into drains or rivers. Contain the spillage using bunding.**

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

Clean-up procedures: **Transfer to a closable, labelled salvage container for disposal by an appropriate method.**

#### 6.4. Reference to other sections

Reference to other sections: **Refer to section 13 of SDS.**

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling requirements: **Ensure there is exhaust ventilation of the area. Avoid the formation or spread of dust in the air.**

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

Storage conditions: **Store in a cool, well ventilated area.**

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

### Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

Workplace exposure limits: **No data available.**

#### DNEL/PNEC Values

DNEL / PNEC **No data available.**

#### 8.2. Exposure controls

Engineering measures: **Ensure there is exhaust ventilation of the area.**

Respiratory protection: **Respiratory protective device with particle filter.**

Hand protection: **Protective gloves.**

Eye protection: **Safety glasses with side-shields.**

Skin protection: **Protective clothing.**

Environmental: **Prevent from entering in public sewers or the immediate environment.**

### Section 9: Physical and chemical properties

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

State: **Solid**

Colour: **White**

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## 9.2. Other information

Other information: **No data available.**

## Section 10: Stability and reactivity

## 10.1. Reactivity

## 10.2. Chemical stability

Reactivity: **Stable under recommended transport or storage conditions.**Chemical stability: **Stable under normal conditions.**

## 10.3. Possibility of hazardous reactions

Hazardous reactions: **Hazardous reactions will not occur under normal transport or storage conditions.****Decomposition may occur on exposure to conditions or materials listed below.**

## 10.4. Conditions to avoid

Conditions to avoid: **Heat.**

## 10.5. Incompatible materials

Materials to avoid: **Oxidising agents.**

## 10.6. Hazardous decomposition products

Haz. decomp. products: **In combustion emits toxic fumes.**

## Section 11: Toxicological information

## 11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	MUS	LD50	For Zinc oxide;7950,	mg/kg

## Symptoms / routes of exposure

Skin contact: **There may be mild irritation at the site of contact.**Eye contact: **There may be irritation and redness.**Ingestion: **There may be vomiting. There may be soreness and redness of the mouth and throat.**Inhalation: **Exposure may cause coughing or wheezing.**Delayed / immediate effects: **There may be vomiting and diarrhoea.**

## Section 12: Ecological information

## 12.1. Toxicity

[cont...]

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Ecotoxicity values:

Species	Test	Value	Units
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	For Zinc oxide; 1.1	mg/l

## 12.2. Persistence and degradability

Persistence and degradability: **No data available.**

## 12.3. Bioaccumulative potential

Bioaccumulative potential: **No data available.**

## 12.4. Mobility in soil

Mobility: **No data available.**

## 12.5. Results of PBT and vPvB assessment

PBT identification: **This product is not identified as a PBT/vPvB substance.**

## 12.6. Other adverse effects

Other adverse effects: **Very toxic to aquatic organisms.**

## Section 13: Disposal considerations

## 13.1. Waste treatment methods

Disposal operations: **Transfer to a suitable container and arrange for collection by specialised disposal company.**Disposal of packaging: **Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.**NB: **The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**

## Section 14: Transport information

## 14.1. UN number

UN number: **UN3077**

## 14.2. UN proper shipping name

Shipping name: **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Zinc oxide mixture)**

## 14.3. Transport hazard class(es)

## 14.4. Packing group

Transport class: **9**Packing group: **III**

## 14.5. Environmental hazards

Environmentally hazardous: **Yes**Marine pollutant: **Yes**

[cont...]

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14.6. Special precautions for user

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.