

Revision: 1.1

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## Section 1. Identification

### 1.1 Product Identifier 1522

Product Name ZINC CARBONATE BASIC

CAS Number 51839-25-9

REACH Registration No 01-2119474697-20-XXXX

Molecular Formula  $[ZnCO_3]_1 \cdot [Zn(OH)_2]_1 = 548.96$

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

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

### 1.3 Supplier Vickers Laboratories Ltd



Grangefield Industrial Estate  
Richardshaw Road  
Pudsey  
West Yorkshire  
LS28 6QW  
UNITED KINGDOM

Phone 44 0113 2362811  
Fax +44(0)113 2362703  
Email [safety@viclabs.co.uk](mailto:safety@viclabs.co.uk)  
Website [www.viclabs.co.uk](http://www.viclabs.co.uk)

### 1.4 Emergency Telephone (08:00-16:30) +44(0) 113 2362811 (24hr) 112 (Have this document to hand)

## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### Classification according to regulation 1272/2008/EC

Hazard to aquatic environment, category 1

H400: Very toxic to aquatic life.

### 2.2 Label elements

#### Labelling according to regulation 1272/2008/EC

Signal word Warning

Hazard Pictograms



Hazard Statements Very toxic to aquatic life.

Precautionary Statements Avoid release to the environment. Collect spillage. Dispose of contents / container to an approved waste disposal plant

## Section 3. Composition

### 3.1 Substances

| Component      | CAS No.    | EEC No.   | REACH No.             | Conc w/w | CLP Classification (1272/2008/CE) |
|----------------|------------|-----------|-----------------------|----------|-----------------------------------|
| Zinc carbonate | 51839-25-9 | 257-467-0 | 01-2119474697-20-XXXX | 100%     | Aquatic Acute 1                   |

## Section 4. First Aid

### 4.1 Description of first aid measures

|                                      |  |
|--------------------------------------|--|
| Eyes                                 | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION. |
| Skin                                 | Wash off skin thoroughly with water.   |
| Inhalation                           | Remove from exposure.  |
| Ingestion                            | Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.              |
| Personal protection for first aiders | Wear protective gloves / eye protection.   |

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

No further relevant information available.

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

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

|                     |  |
|---------------------|--|
| Extinguishing Media | Consider what other flammable materials are present and act accordingly. |
| Unsuitable Media    | Nothing specified.   |

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

|         |                                   |
|---------|-----------------------------------|
| Hazards | Presents no specific fire danger. |
|---------|-----------------------------------|

### 5.3 Advice for firefighters

|                         |   |
|-------------------------|---|
| Advice for firefighters | Consider all other materials in the vicinity. |
|-------------------------|---|

## Section 6. Accidental Release Measures

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

|                     |                            |
|---------------------|----------------------------|
| Personal Protection | Presents no major hazards. |
|---------------------|----------------------------|

### 6.2 Environmental precautions

|               |  |
|---------------|--|
| Environmental | Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs. |
|---------------|--|

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

|                |  |
|----------------|--|
| Major Spillage | Shovel/sweep up into container for removal Wash area down with copious amounts of water. |
| Minor Spillage | Wash area down with copious amounts of water.  |

### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

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

Well ventilated, cool, dry storage .

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

| Component      | CAS No     | Concentration | Workplace Exposure Limits |                         |
|----------------|------------|---------------|---------------------------|-------------------------|
|                |            |               | Long Term (8hr TWA)       | Short Term 15min period |
| Zinc carbonate | 51839-25-9 | 100%          | -                         | -                       |

Exposure data source(s) No occupational exposure data currently available.

### 8.2 Exposure controls

Respiratory Protection If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.

Hand Protection Wear gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

## Section 9. Physical & Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                       |                     |
|-----------------------|---------------------|
| Appearance            | White powder.       |
| Odour                 | Odourless.          |
| pH                    | Not applicable      |
| Boiling Point         | Not available       |
| Melting Point         | Not applicable      |
| Flash Point           | Not applicable      |
| Upper Flammable Limit | Not applicable      |
| Lower Flammable Limit | Not applicable      |
| Auto Ignition         | Not applicable      |
| Explosive Properties  | No.                 |
| Oxidising Properties  | No.                 |
| Vapour Pressure       | Not applicable      |
| Relative Density      | Not available       |
| Water Solubility      | Insoluble in water. |

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

10.1 Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions

10.3 Possibility of hazardous reactions No data available.

10.4 Conditions to Avoid No specific conditions.

- 10.5** Incompatible Materials      Acids.
- 10.6** Hazardous Decomposition    None unusual.  
Products

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |  |
|----------------------|--|
| Eyes                 | Presents no significant health hazard to the eyes.   |
| Skin                 | Presents no significant hazard by skin contact.      |
| LD50 Skin            | Not available  |
| Ingestion            | Low order of acute toxicity.                         |
| LD50 Oral            | Not available  |
| Inhalation           | Presents no significant health hazard by inhalation. |
| LD50 Inhalation      | Not available  |
| TCLo                 | Not available  |
| Carcinogenicity      | Not considered to be a carcinogen.                   |
| Mutagenicity         | Not considered to be a mutagen.                      |
| Reproductive Effects | None identified.                                     |

## Section 12. Ecological

- 12.1** Toxicity                              Very toxic to aquatic life.
- LC50 Algal                              Not available
- LC50 Crustacea                        Not available
- LC50 Fish                                Not available
- 12.2** Persistence and                      No data available.  
    degradability
- 12.3** Bioaccumulative potential        No data available.
- 12.4** Mobility in soil                      No data available.
- 12.5** Results of PBT & vPvB            Assessment not required.  
    assessment
- 12.6** Other adverse effects              None known at present.

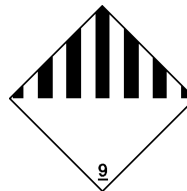
## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |  |
|------------------------|--|
| Disposal Methods       | Flush to drain.  |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer. |

## Section 14. Transport Information

|  |   |
|--|---|
| <b>14.1 UN Number</b>                    | 3077  |
| <b>14.2 Proper Shipping Name</b>         | Environmentally hazardous substance, solid, N.O.S. (Zinc Carbonate basic) |
| <b>14.3 Transport classes</b>            |   |
| UN classification                        | 9   |
| Subsidiary hazard(s)                     | None  |
| Transport category                       | 3   |
| ADR Hazard ID                            | 90  |
| Tunnel Restriction Code                  | E   |
| <b>14.4 Packing Group</b>                | III   |
| <b>14.5 Environment hazards</b>          | Marine pollutant.   |
| <b>14.6 Special precautions for user</b> | No special precautions required.  |
| <b>14.7 Transport in bulk</b>            | Not transported in bulk.  |



## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Hazard to aquatic environment, category 1

Signal word Warning

Hazard Pictograms



Hazard Statements H400  
Very toxic to aquatic life.

Precautionary Statements P273, P391, P501  
Avoid release to the environment. Collect spillage. Dispose of contents / container to an approved waste disposal plant

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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