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**Section 1. Identification**

|                               |  |
|-------------------------------|--|
| <b>1.1 Product Identifier</b> | CHE3992                                |
| Product Name                  | POTASSIUM HYDROGEN CARBONATE A.R. 1Kg. |
| CAS Number                    | 298-14-6                               |
| REACH Registration No         | 01-2119532640-48-XXXX                  |
| Molecular Formula             | $\text{KHCO}_3$ =100.12                |

**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** Scientific Laboratory Supplies

Unit 6, Foresters Avenue  
Fairham Business Park  
Fairham  
Nottingham  
NG11 2AF  
UNITED KINGDOM

Phone 0115 9821111  
Fax 0115 9825275  
Email sales@scientific-labs.com

**1.4 Emergency Telephone** (08:00-17:00) 0115 9821111  
(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**

Not classified as hazardous.

**2.2 Label elements****Labelling according to regulation 1272/2008/EC**

Not classified as hazardous.

Precautionary Statements Do not breathe dust. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

**Section 3. Composition****3.1 Substances**

Not classified as hazardous.

**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 . Keep well separated from acids.

#### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

Exposure data source(s) No hazardous components.

### 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 Colourless crystals or white powder.  
Odour No specific odour.  
pH 8 @ 20°C  
Boiling Point Not available  
Melting Point 292°C  
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 2.2200  
Water Solubility 18%

### 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 Avoid contact with acids.  
10.5 Incompatible Materials Acids.  
10.6 Hazardous Decomposition Products None unusual.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

Eyes Contact with the solid or dust may be irritating to the eyes but unlikely to cause serious injury.  
Skin Contact with the solid or dust may be mildly irritating to the skin..  
LD50 Skin >2000mg/kg Rabbit  
Ingestion Low order of acute toxicity.  
LD50 Oral >2000mg/kg Rat  
Inhalation Presents no significant health hazard by inhalation.  
LD50 Inhalation >4.88mg/l Rat

|                      |                                    |
|----------------------|------------------------------------|
| TCLo                 | Not available                      |
| Carcinogenicity      | Not considered to be a carcinogen. |
| Mutagenicity         | Not considered to be a mutagen.    |
| Reproductive Effects | None identified.                   |
| Other Information    | Used in the food industry.         |

## Section 12. Ecological

|  |   |
|--|---|
| <b>12.1</b> Toxicity                         | Material is practically non-toxic to fish on an acute basis (LC50 > 100mg/l). |
| LC50 Algal                                   | Not available   |
| LC50 Crustacea                               | Not available   |
| LC50 Fish                                    | 1300mg/l Rainbow Trout (96 hours)   |
| <b>12.2</b> Persistence and degradability    | No data available.  |
| <b>12.3</b> Bioaccumulative potential        | No data available.  |
| <b>12.4</b> Mobility in soil                 | No data available.  |
| <b>12.5</b> Results of PBT & vPvB assessment | Assessment not required.  |
| <b>12.6</b> 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</b> UN Number                    | Non-restricted                   |
| <b>14.2</b> Proper Shipping Name         | Non-restricted                   |
| <b>14.3</b> Transport classes            |                                  |
| UN classification                        | None                             |
| Subsidiary hazard(s)                     | None                             |
| Transport category                       | None                             |
| ADR Hazard ID                            | Non-restricted                   |
| Tunnel Restriction Code                  | Non-restricted                   |
| <b>14.4</b> Packing Group                | None                             |
| <b>14.5</b> Environment hazards          | See section 12.                  |
| <b>14.6</b> Special precautions for user | No special precautions required. |
| <b>14.7</b> Transport in bulk            | Not transported in bulk.         |

## Section 15. Regulatory Information

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

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

|                          |   |
|--------------------------|---|
| Precautionary Statements | P260, P305+P351+P338<br>Do not breathe dust. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. |
|--------------------------|---|

### 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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