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**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product identifier****Product Name** CARB**Other means of identification****Product Description** 30004.45 µg/mL: CO3-2**Recommended use of the chemical and restrictions on use****Recommended Use** Laboratory chemicals**Restriction on Use** No information available**Details of the supplier of the safety data sheet**

|         |                                                                                                                                          |                |                            |
|---------|------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------|
| Company | Inorganic Ventures<br>300 Technology Drive<br>Christiansburg, VA 24073<br>Phone: 1(800) 669-6799<br>Email:<br>info@inorganicventures.com | E-mail Address | info@inorganicventures.com |
|---------|------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------|

**Emergency telephone number****Emergency Telephone** +34.678750066  
Chemtrec 1-800-424-9300 (US)**Section 2: HAZARDS IDENTIFICATION****Classification**

Not classified

**Label Elements****Hazard statements**

Not classified.

**Other Information****Unknown acute toxicity** 5.31079 % of the mixture consists of ingredient(s) of unknown toxicity  
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
5.31079 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
5.31079 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable.

#### Mixture

| Chemical name    | CAS No.  | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|------------------|----------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Sodium carbonate | 497-19-8 | 5.31079  | -                                                                            |                                                             |

### Section 4: FIRST AID MEASURES

#### Description of first aid measures

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical** No information available.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

**Personal precautions** Ensure adequate ventilation.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## **Section 7: HANDLING AND STORAGE**

### **Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                |                          |
|----------------|--------------------------|
| Physical state | Liquid                   |
| Appearance     | clear /colorless         |
| Odor           | No information available |
| Odor threshold | No information available |

| Property                               | Values                   | pH                                      | No data available |
|----------------------------------------|--------------------------|-----------------------------------------|-------------------|
| Melting point / freezing point         | No data available        | Initial boiling point and boiling range | 100 °C / 212 °F   |
| Flash point                            | No data available        | Evaporation rate                        | No data available |
| Flammability                           | No data available        | Flammability Limit in Air               |                   |
| Upper flammability or explosive limits | No data available        |                                         |                   |
| Lower flammability or explosive limits | No data available        |                                         |                   |
| Vapor pressure                         | No data available        | Relative vapor density                  | No data available |
| Relative Density                       | No information available | Water solubility                        | Miscible          |
|                                        |                          | Solubility in other solvents            |                   |
| Partition coefficient: n-octanol/water | No data available        | Autoignition temperature                | No data available |
| Hyphen                                 | No data available        | Kinematic viscosity                     | No data available |
| Dynamic viscosity                      | No data available        | None known                              |                   |

### Other information

|                      |                           |
|----------------------|---------------------------|
| Explosive properties | No information available. |
| Oxidizing properties | No information available. |
| Softening point      | No information available  |
| Molecular Weight     | No information available  |
| VOC content          | No information available  |
| Liquid Density       | No information available  |
| Bulk density         | No information available  |

## Section 10: STABILITY AND REACTIVITY

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Reactivity                         | No information available.                 |
| Chemical stability                 | Stable under normal conditions.           |
| Possibility of hazardous reactions | None under normal processing.             |
| Hazardous polymerization           | None under normal processing.             |
| Conditions to Avoid                | None known based on information supplied. |
| Incompatible materials             | None known based on information supplied. |
| Hazardous decomposition products   | None under normal use conditions.         |

## Section 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Product Information

|              |                                                                   |
|--------------|-------------------------------------------------------------------|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion    | Specific test data for the substance or mixture is not available. |

#### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

#### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 77,013.00 mg/kg |
| ATEmix (dermal)               | 37,659.20 mg/kg |
| ATEmix (inhalation-gas)       | 99,999.00 mg/l  |
| ATEmix (inhalation-dust/mist) | 21.65 mg/l      |
| ATEmix (inhalation-vapor)     | 99,999.00 mg/l  |

Unknown acute toxicity 5.31079 % of the mixture consists of ingredient(s) of unknown toxicity  
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 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component Information

| Chemical name                | Oral LD50            | Dermal LD50             | Inhalation LC50                      |
|------------------------------|----------------------|-------------------------|--------------------------------------|
| Sodium carbonate<br>497-19-8 | = 4090 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity            | No information available. |
| Carcinogenicity                   | No information available. |
| Reproductive toxicity             | No information available. |
| STOT - single exposure            | No information available. |
| STOT - repeated exposure          | No information available. |
| Aspiration hazard                 | No information available. |

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

| Chemical name                | Algae/aquatic plants | Fish                                                                                                         | Toxicity to microorganisms | Crustacea                                   |
|------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------|
| Sodium carbonate<br>497-19-8 | .?                   | LC50: =300mg/L (96h, <i>Lepomis macrochirus</i> )<br>LC50: 310 - 1220mg/L (96h, <i>Pimephales promelas</i> ) | -                          | EC50: =265mg/L (48h, <i>Daphnia magna</i> ) |

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

### Section 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### Section 14: TRANSPORT INFORMATION

**IMDG**

14.1. UN-No Not regulated  
 14.2. Proper shipping name Not regulated  
 14.3. Transport hazard class(es) Not regulated  
 14.4. Packing Group Not regulated  
     Description Not applicable  
 14.5. Marine Pollutant None  
 14.6. Special Provisions None  
**No information available** Transport No information available  
**in bulk according**  
**to Annex II of MARPOL 73/78 and**  
**the IBC Code**

**RID**

14.1. UN-No Not regulated  
 14.2. Proper shipping name Not regulated  
 14.3. Transport hazard class(es) Not regulated  
 14.4. Packing Group Not regulated  
     Description Not applicable  
 14.5. Environmental hazard None  
 14.6. Special Provisions None

**ADR**

14.1. UN-No Not regulated  
 14.2. Proper shipping name Not regulated  
 14.3. Transport hazard class(es) Not regulated  
 14.4. Packing Group Not regulated

|                                   |                |
|-----------------------------------|----------------|
| <b>Description</b>                | Not applicable |
| <b>14.5. Environmental hazard</b> | None           |
| <b>14.6. Special Provisions</b>   | None           |

**ICAO**

|                                   |                |
|-----------------------------------|----------------|
| <b>14.1. UN-No</b>                | Not regulated  |
| <b>14.2. Proper Shipping Name</b> | Not regulated  |
| <b>14.3. Hazard Class</b>         | Not regulated  |
| <b>14.4. Packing Group</b>        | Not regulated  |
| <b>Description</b>                | Not applicable |
| <b>14.5. Environmental hazard</b> | None           |
| <b>14.6. Special Provisions</b>   | None           |

**IATA-DGR**

|                                   |                |
|-----------------------------------|----------------|
| <b>14.1. UN-No</b>                | Not regulated  |
| <b>14.2. Proper shipping name</b> | Not regulated  |
| <b>14.3.</b>                      |                |
| <b>14.4. Packing Group</b>        | Not regulated  |
| <b>Description</b>                | Not applicable |
| <b>14.5. Environmental hazard</b> | None           |
| <b>14.6. Special Provisions</b>   | None           |

**Section 15: REGULATORY INFORMATION**

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

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL/NDSL</b>      | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AIC</b>           | Complies |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**Section 16: OTHER INFORMATION**

|             |                         |                       |                           |                                           |
|-------------|-------------------------|-----------------------|---------------------------|-------------------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 1 | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Physical and chemical properties</b> - |
| <b>HMIS</b> | <b>Health hazards</b> 1 | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X              |

**Key or legend to abbreviations and acronyms used in the safety data sheet****LEG8 Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|        |                             |        |                                  |
|--------|-----------------------------|--------|----------------------------------|
| LEGTWA | TWA (time-weighted average) | LEGST  | STEL (Short Term Exposure Limit) |
| LEGC   | Maximum limit value         | LEGSKN | Skin designation                 |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AELG(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

**Revision date** 02-Apr-2026

**Revision Note** No information available.

**Disclaimer**

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**End of SDS**