

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Product Name** CGSINA1  
**Product Description** 1000 µg/mL Silicon

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

**Recommended Use** Laboratory chemicals  
**Uses advised against** No information available

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

#### Company

Inorganic Ventures  
300 Technology Drive  
Christiansburg, VA 24073  
web: [www.inorganicventures.com](http://www.inorganicventures.com)

**E-mail Address** [info@inorganicventures.com](mailto:info@inorganicventures.com)

### 1.4. Emergency telephone number

Chemtrec 1-800-424-9300 (North America)  
Chemtrec +1 703-741-5970 (International)

|        |           |
|--------|-----------|
| Europe | See above |
|--------|-----------|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

#### GHS

|                          |                     |
|--------------------------|---------------------|
| Chronic aquatic toxicity | Category 3 - (H412) |
|--------------------------|---------------------|

### 2.2. Label Elements

**Product identifier**  
**Signal word**  
None

#### Hazard statements

H412 - Harmful to aquatic life with long lasting effects

#### Precautionary Statements - EU (§28, 1272/2008)

P273 - Avoid release to the environment

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

### 2.3. Other information

No information available

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Full text of H- and EUH-phrases: see section 16

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|              |                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------|
| Inhalation   | Remove to fresh air.                                                                                  |
| Skin Contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Ingestion    | Clean mouth with water and drink afterwards plenty of water.                                          |

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

|                                     |                                                 |
|-------------------------------------|-------------------------------------------------|
| Most Important Symptoms and Effects | Asthma-like and/ or skin allergy-like symptoms. |
|-------------------------------------|-------------------------------------------------|

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

|                    |                       |
|--------------------|-----------------------|
| Notes to Physician | Treat symptomatically |
|--------------------|-----------------------|

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available

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

Thermal decomposition can lead to release of irritating gases and vapors

**5.3. Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Ensure adequate ventilation.

**Advice for emergency responders**

Ensure adequate ventilation.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. See Section 12 for additional Ecological Information.

**6.3. 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** Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections**

See Section 12: ECOLOGICAL INFORMATION.

**SECTION 7: Handling and storage****7.1. Precautions for Safe Handling**

**Advice on safe handling**  
Ensure adequate ventilation.

**Hygiene Measures**  
Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions**  
Keep container tightly closed in a dry and well-ventilated place.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Hand Protection** Impervious gloves.

**Skin and Body Protection** Long sleeved clothing.

**Respiratory Protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Environmental Exposure Controls** No information available.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

**Physical state**  
**Appearance**  
**Odor**

Liquid  
clear / colorless  
Odorless

**Property**

**pH - VALUE 1**  
**Melting point / melting range**  
**Boiling point / boiling range**  
**Evaporation rate**

**Values**

No data available  
No data available  
100 °C  
No data available

|                                        |                          |
|----------------------------------------|--------------------------|
| Flammability (solid, gas)              | No data available        |
| Vapor pressure @20 °C (kPa)            | No data available        |
| Vapor density                          | No data available        |
| Relative Density                       | No data available        |
| Specific gravity - VALUE 1             | No data available        |
| Water solubility                       | Miscible                 |
| Partition coefficient: n-octanol/water | No data available        |
| Autoignition temperature               | No data available        |
| Decomposition temperature              | No data available        |
| Dynamic viscosity - VALUE 1            | No data available        |
| Explosive Properties                   | No information available |
| Oxidizing Properties                   | No information available |
| <u>Other information</u>               |                          |
| VOC Content (%)                        | No information available |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical Stability

Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact    None.

Sensitivity to Static Discharge        None.

### 10.3. Possibility of Hazardous Reactions

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

#### **Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to Avoid

None known.

### 10.5. Incompatible materials

No information available

### 10.6. Hazardous Decomposition Products

No information available.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute Toxicity**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** No data available.

**Eye Contact** No data available.

**Skin Contact** No data available.

**Ingestion** No data available.

**Unknown acute toxicity**

0 % 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.

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

0 % 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).

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenic effects** 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****12.1. Toxicity**

Harmful to aquatic life with long lasting effects

Contains 0 % of components with unknown hazards to the aquatic environment

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

**Mobility in soil**

No information available.

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

No information available.

**12.6. Other adverse effects.****SECTION 13: Disposal considerations****13.1. Waste treatment methods****Waste from Residues/Unused Products**

Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging**

Do not reuse empty containers.

**Other Information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**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 in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Transport No information available |

**RID**

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

**ICAO**

|                            |                |
|----------------------------|----------------|
| 14.1. UN-No                | Not regulated  |
| 14.2. Proper Shipping Name | Not regulated  |
| 14.3. Hazard Class         | Not regulated  |
| 14.4. Packing Group        | Not regulated  |
| Description                | Not applicable |

|                                  |                |
|----------------------------------|----------------|
| 14.5. Environmental hazard       | None           |
| 14.6. Special Provisions         | None           |
| <b>IATA-DGR</b>                  |                |
| 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           |

## SECTION 15: Regulatory information

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### International Inventories

All of the components in the product are on the following Inventory lists: U.S.A. (TSCA), Europe (EINECS/ELINCS/NLP), Canada (DSL/NDSL), Philippines (PICCS), Japan (ENCS), China (IECSC), Australia (AICS), Korea (ECL).

|               |          |
|---------------|----------|
| TSCA          | Complies |
| EINECS/ELINCS | Complies |
| DSL/NDSL      | Complies |
| PICCS         | Complies |
| ENCS          | Complies |
| IECSC         | Complies |
| AICS          | Complies |
| KECL          | Complies |

#### Legend

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

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

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

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

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

**AICS** - Australian Inventory of Chemical Substances

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

### 15.2. Chemical Safety Assessment

No information available

## SECTION 16: Other information

### Full text of R-phrases referred to under sections 2 and 3

No information available

Revision Date 24-Oct-2023

Reason for Revision Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information

---

relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**