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**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product identifier****Product Name** CGPB1**Other means of identification****Product Description** 1000 µg/mL: Lead  
**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** Chemtrec 1-800-424-9300 (US)  
+34.678750066**Section 2: HAZARDS IDENTIFICATION****Classification**

|                 |             |
|-----------------|-------------|
| Carcinogenicity | Category 1A |
|-----------------|-------------|

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

May cause cancer



**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

Causes mild skin irritation Harmful to aquatic life

**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)

**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) |
|---------------|------------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Nitric acid   | 7697-37-2  | 0.35     | -                                                                            |                                                             |
| Lead nitrate  | 10099-74-8 | 0.1599   | -                                                                            |                                                             |

**Section 4: FIRST AID MEASURES****Description of first aid measures****General advice**

IF exposed or concerned: Get medical advice/attention.

**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.

Other information Refer to protective measures listed in Sections 7 and 8.

**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. Avoid contact with skin, eyes or clothing.

**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

| Chemical name              | Alberta                                                                               | British Columbia            | Ontario TWAEV               | Quebec                                                                                |
|----------------------------|---------------------------------------------------------------------------------------|-----------------------------|-----------------------------|---------------------------------------------------------------------------------------|
| Nitric acid<br>7697-37-2   | TWA: 2 ppm<br>TWA: 5.2 mg/m <sup>3</sup><br>STEL: 4 ppm<br>STEL: 10 mg/m <sup>3</sup> | TWA: 2 ppm<br>STEL: 4 ppm   | TWA: 2 ppm<br>STEL: 4 ppm   | TWA: 2 ppm<br>TWA: 5.2 mg/m <sup>3</sup><br>STEL: 4 ppm<br>STEL: 10 mg/m <sup>3</sup> |
| Lead nitrate<br>10099-74-8 | TWA: 0.05 mg/m <sup>3</sup>                                                           | TWA: 0.05 mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup>                                                           |

### 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.

**Hand protection**                              Wear suitable gloves.

**Skin and body protection**                      Wear suitable protective clothing.

**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**                      Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 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

|                                               |                          |                                                |                   |
|-----------------------------------------------|--------------------------|------------------------------------------------|-------------------|
| <b>Property</b>                               | <b>Values</b>            | <b>pH</b>                                      | No data available |
| <b>Melting point / freezing point</b>         | No data available        | <b>Initial boiling point and boiling range</b> | 100 °C / 212 °F   |
| <b>Flash point</b>                            | No data available        | <b>Evaporation rate</b>                        | No data available |
| <b>Flammability</b>                           | No data available        | <b>Flammability Limit in Air</b>               |                   |
| <b>Upper flammability or explosive limits</b> | No data available        |                                                |                   |
| <b>Lower flammability or explosive limits</b> | No data available        |                                                |                   |
| <b>Vapor pressure</b>                         | No data available        | <b>Relative vapor density</b>                  | No data available |
| <b>Relative Density</b>                       | No information available | <b>Water solubility</b>                        | No data available |
| None known                                    |                          | <b>Solubility in other</b>                     |                   |

Partition coefficient: n-octanol/water No data available

Hyphen No data available  
Dynamic viscosity No data available

#### solvents

Autoignition temperature No data available

Kinematic 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 Nitrogen oxides (NO<sub>x</sub>).

### 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) 99,999.00 mg/kg  
ATEmix (dermal) 99,999.00 mg/kg  
ATEmix (inhalation-gas) 99,999.00 mg/l

ATEmix (inhalation-dust/mist) 143.10 mg/l  
 ATEmix (inhalation-vapor) 99,999.00 mg/l

**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)

#### Component Information

| Chemical name              | Oral LD50          | Dermal LD50 | Inhalation LC50        |
|----------------------------|--------------------|-------------|------------------------|
| Nitric acid<br>7697-37-2   | -                  | -           | = 2500 ppm ( Rat ) 1 h |
| Lead nitrate<br>10099-74-8 | = 93 mg/kg ( Rat ) | -           | -                      |

#### 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** Classification based on data available for ingredients.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name              | ACGIH                                                             | IARC                                                                           | NTP                                             | OSHA    |
|----------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------|---------|
| Nitric acid<br>7697-37-2   | -                                                                 | Group 1 - Carcinogenic to humans<br>Group 2A - Probably carcinogenic to humans | -                                               | Present |
| Lead nitrate<br>10099-74-8 | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans | Group 2A - Probably carcinogenic to humans                                     | Reasonably Anticipated To Be A Human Carcinogen | Present |

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

**NTP (National Toxicology Program)**

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

**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** The environmental impact of this product has not been fully investigated.

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

#### Component Information

| Chemical name            | Partition coefficient |
|--------------------------|-----------------------|
| Nitric acid<br>7697-37-2 | -2.3                  |

### 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 UN3264  
 14.2. Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s  
 14.3. Transport hazard class(es) 8  
 14.4. Packing Group III  
     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 UN3264  
 14.2. Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s  
 14.3. Transport hazard class(es) 8  
 14.4. Packing Group III  
     Description Not applicable  
 14.5. Environmental hazard None  
 14.6. Special Provisions None

#### ADR

14.1. UN-No UN3264  
 14.2. Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s  
 14.3. Transport hazard class(es) 8  
 14.4. Packing Group III  
     Description Not applicable  
 14.5. Environmental hazard None  
 14.6. Special Provisions None

**ICAO**

|                            |                                            |
|----------------------------|--------------------------------------------|
| 14.1. UN-No                | UN3264                                     |
| 14.2. Proper Shipping Name | Corrosive liquid, acidic, inorganic, n.o.s |
| 14.3. Hazard Class         | 8                                          |
| 14.4. Packing Group        | III                                        |
| Description                | Not applicable                             |
| 14.5. Environmental hazard | None                                       |
| 14.6. Special Provisions   | None                                       |

**IATA-DGR**

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| 14.1. UN-No                      | UN3264                                     |
| 14.2. Proper shipping name       | Corrosive liquid, acidic, inorganic, n.o.s |
| 14.3. Transport hazard class(es) | 8                                          |
| 14.4. Packing Group              | III                                        |
| Description                      | Not applicable                             |
| 14.5. Environmental hazard       | None                                       |
| 14.6. Special Provisions         | 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**

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL/NDL       | Complies |
| EINECS/ELINCS | Complies |
| ENCS          | Complies |
| IECSC         | Complies |
| KECL          | Complies |
| PICCS         | Complies |
| AIIC          | Complies |

**Legend:**

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

**DSL/NDL** - 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

**AIIC** - Australian Inventory of Chemical Substances

**Section 16: OTHER INFORMATION**

|             |                   |                |                    |                                    |
|-------------|-------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 1  | Flammability 0 | Instability 0      | Physical and chemical properties - |
| <b>HMIS</b> | Health hazards 1* | Flammability 0 | Physical hazards 0 | Personal protection 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) (AEGl(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** 19-Mar-2026

**Revision Note** No information available.

**Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of SDS**