



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Zinc Gluconate USP

30-1248

Section 1: Identification

Product Name Zinc Gluconate USP
Commercial Name Not available.
Product Use Not available
Restrictions On Use Not available
Product Code 30-1248
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) Not available.
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention No available.
Response Not available
Storage Not available.
Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Zinc gluconate
% By Weight 100
CAS# 4468-02-4
Molecular Weight 509.7 g/mole
Chemical Formula C₁₂H₂₂ZnO₁₄
Synonym(s)

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Zinc gluconate	4468-02-4	100	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation	Remove person to fresh air and keep comfortable for breathing
Skin Contact	Wash skin with plenty of water.
Eye Contact	Rinse eyes with water as a precaution.
Ingestion	Call a poison center/doctor/physician if you feel unwell.
Symptoms/Effects	
Acute	Inhalation : Metal fume fever. Ingestion : Diarrhea. Nausea. Vomiting
Delayed	Inhalation : Metal fume fever. Ingestion : Diarrhea. Nausea. Vomiting
Immediate Medical Attention	
Treat symptomatically.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray. Dry powder. Foam.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Thermal decomposition generates toxic vapors. Carbon oxides (CO, CO₂). Zinc oxide

Firefighters Special Equipment and Precautions

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6: Accidental Release Measures

For non-emergency personnel- Protective equipment : Gloves. Protective clothing. See "Material-Handling" to select protective clothing. Emergency procedures : Ventilate spillage area. For emergency responders- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Environmental precautions- Avoid release to the environment. Methods and material for containment and cleaning up- For containment : Collect all waste in suitable and labeled containers and dispose according to local legislation. Methods for cleaning up : Mechanically recover the product. Other information : Dispose of materials or solid residues at an authorized site. For further information refer to section 13.

Section 7: Handling and Storage

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Conditions for safe storage, including any incompatibilities- Technical measures : Comply with applicable regulations. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Storage conditions : Store in a clean, dry warehouse in the original unopened containers. Store in a well-ventilated place. Keep cool. Storage temperature : Typical warehouse conditions are sufficient to safeguard this product. Packaging materials : plastics. polyethylene

Section 8: Exposure Controls/Personal Protection**Exposure Limits****Engineering Controls**

Appropriate engineering controls : Ensure good ventilation of the work station. Environmental exposure controls : Avoid release to the environment.

Personal Protection

Personal protective equipment- Dust formation: dust mask. Safety glasses. Gloves. Materials for protective clothing- Wear suitable protective clothing, gloves and eye/face protection Hand protection: Impermeable protective gloves Eye protection: Safety glasses Skin and body protection: Protective clothing Respiratory protection- Dust production: dust mask with filter type P1

Section 9: Physical and Chemical Properties

Appearance	Solid. (Granular Powder.) Color: White. Off-White		
Odor	Slight sweet		
Odor Threshold	No data available		
Melting Point	No data available	pH	No data available
Freezing Point	Not applicable	Vapor Pressure	No data available
Boiling Point/Range	No data available	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	No data available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	No data available
Flash Point	Not applicable	Autoignition temperature	Not available
Flammability	No data available	Flammability or Explosive Limits:	
		Lower	No data available
		Upper	No data available
Solubility(ies)	Moderately soluble in water.		
Other	Molecular weight 455.68 g/mol		

Section 10: Stability and Reactivity

Reactivity	Thermal decomposition generates toxic vapors. Carbon oxides (CO, CO2). Zinc oxide.
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	None under recommended storage and handling conditions (see section 7).
Incompatible Materials	No additional information available
Hazardous Decomposition Products	Carbon dioxide. Carbon monoxide.

Section 11: Toxicological Information
RTECS ZH3750000

Acute Toxicity

Oral LD50: > 5000 mg/kg (Rat)

Skin Corrosion/Irritation

Not classified (Lack of data)

Serious Eye Damage/Irritation

Not classified (Lack of data)

Respiratory or Skin Sensitization

Not classified (Lack of data)

Germ Cell Mutagenicity

Not classified (Lack of data)

Carcinogenicity

Not classified (Lack of data)

Reproductive Toxicity

Not classified (Lack of data)

Routes of Entry

Not available.

Symptoms Related to Exposure

Symptoms/effects after inhalation: Metal fume fever. Symptoms/effects after ingestion : Diarrhea. Nausea. Vomiting.



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Zinc Gluconate USP

30-1248

Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information

Ecotoxicity

Ecology - general : Toxic to aquatic life

Persistence and Degradability

No additional information available

Bioaccumulative Potential

No additional information available

Mobility in Soil

No additional information available

Other Adverse Effects

No additional information available

Section 13: Disposal Considerations

Waste Disposal

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Disposal of Container

Dispose in a safe manner in accordance with local/national regulations

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE
Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE
Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE
Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE
Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R38- Irritating to skin.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Safety glasses.

Section 16: Other Information

Not available.