

Material Safety Data Sheet Zinc citrate

Section 1: Chemical Product and Company Identification

Product Name : Zinc citrate
Chemical Formula : $C_{12}H_{10}O_{14}Zn_3$
Company Identification : Tradeasia International Pte Ltd
Email : contact@chemtradeasia.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Zinc citrate	546-46-3	100

Section 3: Hazards Identification

Classification according to Regulation (EC) No 1272/2008: The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Section 4: First Aid Measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Consult a doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing agents: Water, Foam

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters: Protective equipment: Mouth respiratory protective device.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Do not allow to enter sewers/ surface or ground water. Keep contaminated washing water and dispose of appropriately.

Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13

Section 7: Handling and Storage

Handling:

- **Precautions for safe handling:** Prevent formation of dust. Keep receptacles tightly sealed.

Conditions for safe storage, including any incompatibilities

- **Storage:**

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles. Protect from humidity and water.

Specific end use(s): No further relevant information available.

Section 8: Exposure Controls/Personal Protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Suitable respiratory protective device recommended.

Protection of hands: Protective gloves

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material: The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.

Eye protection: Safety glasses

Section 9: Physical and Chemical Properties

Physical state and appearance : Powder

Odor : Recognizable

Color : White.

pH (30 g/L at 20 °C) : 5-7

Flash Point : Not applicable

Change in condition

Boiling point/Boiling range : Undetermined

Danger of explosion : Product does not present an explosion hazard.

Density : Not determined

Section 10: Stability and Reactivity Data

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

Section 11: Toxicological Information

Primary irritant effect on the skin: Irritant to skin and mucous membranes

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

Section 12: Ecological Information

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available

Section 13: Disposal Considerations

Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

Section 14: Transport Information

· UN-Number	
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	-

Section 15: Other Regulatory Information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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