Material Safety Data Sheet

Zinc Gluconate (RXSOL-95-9505-500)

1. Product and Company Identifaction

Product Name	**Zinc Glutanate**
Part Number	RXSOL-95-9505-500

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 27815540 -42
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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number
Zinc Glutanate Anhydrus	99-100 %	4468-02-4

Chemical Formula : C12H22ZnO14
Molecular weight : 460.22 g/mol

3. Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of eye contact (irritant).

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

4. First Aid Measures

Contact with skin	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Contact with eyes	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

General	Not available.

5. Fire-fighting Measures

Flammability of the Product: May be combustible at high temperature.
Auto-Ignition Temperature: Not available.
Flash Points: Not available.
Flammable Limits: Not available.
Products of Combustion: These products are carbon oxides (CO, CO2). Some metallic oxides.
Fire Hazards in Presence of Various Substances: Not available.
Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards: Not available.
Special Remarks on Explosion Hazards: Not available..

6. Accidental Release Measures

Personal Precautions	Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.
Environmental Precautions	Do not let product enter drains.
Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and Storage

Precuation	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with skin Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If you feel unwell, seek medical attention and show the label when possible.

Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8. Exposure controls and personal protection

Engineering Control	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Occupational exposure controls	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product..



Goggles

9. Physical and chemical properties

Odour	Odourless
Appearance	Solid, Beige light colour
pH	NA
Boiling point	NA
Melting Point	172 - 175 °C
Vapour pressure	Not known
Odor Threshold	NA
Specific Gravity	NA
Vapor Density	Not available.
Solubility	Soluble in water

10. Stability and reactivity

Stability	The product is stable.
Instability Temperature	Not available.
Incompatibles Conditions of Instability	NA
Incompatibility with various substances	NA
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	NA
Polymerization	Will not occur.

11. Toxicological information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animal	NA
Chronic Effects on Humans	NA
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animal	NA
Special Remarks on Chronic Effects on Humans	NA.
Special Remarks on other Toxic Effects on Humans	NA

12. Ecological information

Ecotoxicity	NA
Products of Biodegradation	NA
Toxicity of the Products of Biodegradation.	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Special Remarks on the Products of Biodegradation	NA

13. Disposal considerations

Classification	EU Waste class: -
Disposal considerations	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

Not classified as hazardous / dangerous for transport in any mode , IMDG, IATA etc.

15. Regulatory information

Federal and State Regulations: TSCA 8(b) inventory: Zinc gluconate anhydrous
Other Regulations: Not available..
Other Classifications:
WHMIS (Canada): Not controlled under WHMIS (Canada).
DSCL (EEC): R38- Irritating to skin.

HMIS (U.S.A.):
Health Hazard: 1
Fire Hazard: 1
Reactivity: 0
Personal Protection: E

National Fire Protection Association (U.S.A.):
Health: 1
Flammability: 1
Reactivity: 0

Specific hazard:
Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ***Rx Marine International*** *be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if* ***Rx Marine International*** *has been advised of the possibility of such damages.*