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

Catalogue Number	CS-ED-41924
Product Name	Sodium Zirconium Cyclosilicate
CAS No.	17141-74-1
Category	Fine Chemicals
Synonyms	Sodium zirconium silicate (Na2ZrSi3O9)
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email **sales@clearsynth.com** for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

2.2 Label Elements

Signal Word: Not available

Not available

Hazard Statement(s)

Code	Statement
Not available	Not available

Precautionary Statement(s)

Code	Statement
Not available	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Sodium Zirconium Cyclosilicate
CAS Number : 17141-74-1
Molecular Formula : H6Na2O9Si3Zr
Molecular Weight : 371.50
Parent Chemical : Not available
Synonyms : Sodium zirconium silicate (Na2ZrSi3O9)
Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures
General advice:
- Show this safety data sheet to the doctor in attendance.
- Move out of dangerous area.

If inhaled:
- If breathed in, move person into fresh air.
- If not breathing, give artificial respiration.
- Get medical attention if symptoms occur.

In case of skin contact:
- Wash off with soap and plenty of water.
- Get medical attention if irritation persists.

In case of eye contact:
- Rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- Get medical attention if irritation persists.

If swallowed:
- Rinse mouth with water.
- Do not induce vomiting unless directed by medical personnel.
- Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed
- Not available.

4.3 Indication of any immediate medical attention and special treatment needed
- Treat symptomatically.
- Not available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
Suitable extinguishing media:
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:
- Not available.

5.2 Special hazards arising from the substance or mixture
- Not available.

5.3 Advice for firefighters
- Wear self-contained breathing apparatus for firefighting if necessary.
- Use water spray to cool unopened containers.
- Avoid inhalation of combustion products.

Additional information:
- Not available.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
- Avoid dust formation.
- Avoid breathing dust.
- Use personal protective equipment as required.
- Ensure adequate ventilation.

6.2 Environmental precautions
- Avoid release to the environment.
- Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up
- Sweep up and shovel. Keep in suitable, closed containers for disposal.
- Avoid generating dust.

6.4 Reference to other sections
- See Section 8 for personal protective equipment.
- See Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling
- Avoid contact with skin and eyes.
- Avoid formation of dust and aerosols.
- Provide appropriate exhaust ventilation at places where dust is formed.
- Use personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities
- Store in a cool, dry, well-ventilated place.
- Keep container tightly closed.
- Protect from moisture.
- Incompatible materials: Not available.

7.3 Specific end use(s)
- Fine chemical / laboratory use.
- Not available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Occupational exposure limits:
- Not available.

Biological limit values:
- Not available.

8.2 Exposure controls
Appropriate engineering controls:
- Handle in accordance with good industrial hygiene and safety practice.
- Provide adequate ventilation. Use local exhaust where dust may be generated.

Personal protective equipment (PPE):
Eye/face protection:
- Safety glasses with side shields or chemical safety goggles.

Skin protection:
- Protective gloves.
- Protective clothing as appropriate.

Respiratory protection:
- If dust is generated and ventilation is inadequate, use an appropriate particulate respirator.

Hygiene measures:
- Wash hands after handling.
- Remove contaminated clothing and wash before reuse.

Environmental exposure controls:
- Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

SECTION 10: Stability and reactivity

10.1 Reactivity
- Not available.

10.2 Chemical stability
- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
- Not available.

10.4 Conditions to avoid
- Avoid dust formation.
- Moisture (if applicable): Not available.

10.5 Incompatible materials
- Not available.

10.6 Hazardous decomposition products
- Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity: No data available.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure
- No data available.

Symptoms related to the physical, chemical and toxicological characteristics
- Not available.

SECTION 12: Ecological information

SECTION 12: Ecological information

12.1 Toxicity
- Not available.

12.2 Persistence and degradability
- Not available.

12.3 Bioaccumulative potential
- Not available.

12.4 Mobility in soil
- Not available.

12.5 Results of PBT and vPvB assessment
- Not available.

12.6 Endocrine disrupting properties
- Not available.

12.7 Other adverse effects
- Not available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product:
- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains.

Contaminated packaging:
- Dispose of as unused product.

Additional information:
- Not available.

SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number
- Not available.

14.2 UN proper shipping name
- Not available.

14.3 Transport hazard class(es)
- Not available.

14.4 Packing group
- Not available.

14.5 Environmental hazards
- Not available.

14.6 Special precautions for user
- Not available.

14.7 Maritime transport in bulk according to IMO instruments
- Not available.

SECTION 15: Regulatory information

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Not available.

15.2 Chemical safety assessment
- Not available.

SECTION 16: Other information

SECTION 16: Other information

Product identification:
- Product name: Sodium Zirconium Cyclosilicate
- CAS No.: 17141-74-1
- Synonyms: Sodium zirconium silicate (Na2ZrSi3O9)

- Catalog No.: CS-ED-41924
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer:
- The information provided in this Safety Data Sheet is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The supplier shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision information:
- Not available.

DISCLAIMER

This MSDS is system-generated. Please verify and confirm all data, statements, and values with the Support Team before use or distribution.