

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

Catalogue Number	CS-DA-00255
Product Name	Sodium Carbonate
CAS No.	497-19-8
Category	Building Blocks
Synonyms	Not available
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:

Serious eye damage/eye irritation (Category 2)

Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H319	Causes serious eye irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

H335	Not available
H336	Not available

Precautionary Statement(s)

Code	Statement
P264+P265	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P337+P317	If eye irritation persists: Get medical help.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P317	Not available
P319	Get medical help if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Sodium Carbonate

CAS Number : 497-19-8

Molecular Formula : CNa_2O_3

Molecular Weight : 105.99

Parent Chemical : .

Synonyms : Not available

Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	White crystalline solid
IR spectrum	No data available
pH	No data available
Solubility	In water

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

Property	Value
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

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: Acute exposures of dusts or vapors of sodium carbonate may cause irritation of mucous membranes with subsequent coughing and shortness of breath. Aqueous solutions are strongly alkaline; concentrated solutions tend to produce local necrosis of mucous membranes. Ingestion of large quantities may produce corrosion of GI tract, vomiting, diarrhea, circulatory collapse, death.

- Skin corrosion/irritation: A 50% weight/volume aqueous solution applied to intact and abraded skin of human volunteers produced no erythema and edema; tissue destruction occurred at abraded sites. A 50% weight/volume aqueous solution applied to intact and abraded skins of rabbits and guinea pigs produced no erythema and edema; rabbit skin showed tissue destruction at abraded sites. A human patch (skin irritation) test with 98% sodium carbonate in 26 volunteers showed no reactivity; solutions were not classified as irritant based on the human patch test.

- Serious eye damage/eye irritation: No data available.

- Respiratory or skin sensitization: No data available.

- Germ cell mutagenicity: An in vitro mutagenicity test with bacteria was negative.

- Carcinogenicity: No data available.

- Reproductive toxicity: No data available.

- STOT-single exposure: No data available.

- STOT-repeated exposure: A repeated dose inhalation study in male rats exposed to a 2% aqueous sodium carbonate aerosol for 4 hr/day, 5 days/week for 3.5 months showed decreased pulmonary ascorbic acid levels; only experimental animals displayed hyperplasia and desquamation of bronchiolar epithelium, and perivascular edema. Other pulmonary changes included thickening of alveolar walls, hyperemia and lymphoid infiltration; these changes were also observed in about 50% of the controls.

- Aspiration hazard: No data available.

Likely routes of exposure

- Dusts or vapors exposure; skin contact (intact or abraded); ingestion.

Symptoms related to the physical, chemical and toxicological characteristics

- Irritation of mucous membranes with subsequent coughing and shortness of breath; local necrosis of mucous membranes with concentrated aqueous solutions; tissue destruction at abraded skin sites; ingestion of large quantities may produce corrosion of GI tract, vomiting, diarrhea, circulatory collapse, death.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

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