



## MATERIAL SAFETY DATA SHEET

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### 1- Chemical Product Information and Company Identification.

**Product Name:** : Sodium Starch Glycolate reference standard, AnStan<sup>®</sup>.  
**Synonym:** : Carboxymethyl Starch Sodium Salt.  
**Product code:** : BS14897.  
**CAS Number:** : 9063-38-1.  
**Company Name:** : Briti Scientific.  
**Company Address:** : Plot No:78/B/13, SY-79,Phase-VI, Jeedimetla,Hyderabad-500 055.  
Telangana, India.

### Section 2- Composition / Information on Ingredients.

CAS No.	Chemical Name
9063-38-1.	Carboxymethyl Starch Sodium Salt.

### Section 3- Hazards Identification.

#### Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS).

#### Label Elements

Warning

May form combustible dust concentrations in air

#### Precautionary Statements

#### Prevention

Keep away from all ignition sources including heat, sparks, and flame.

Keep container closed and grounded.

Prevent dust accumulations to minimize explosion hazard.

#### Hazards not otherwise classified (HNOC)

None identified

### Section 4- First Aid Measures.

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention if symptoms occur.

**Skin Contact:** Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.



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**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

**Ingestion:** Do NOT induce vomiting. Get medical attention.

**Most important symptoms and effects:** May cause eye/skin irritation.

May cause digestive (gastrointestinal) tract irritation.

Dust is irritating to respiratory tract.

**Notes to Physician:** Treat symptomatically

### Section 5- Fire Fighting Measures.

**Suitable Extinguishing Media:** Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam

**Unsuitable Extinguishing Media:** No information available.

**Flash Point:** No information available.

**Method -** No information available.

**Autoignition Temperature:** No information available.

#### **Explosion Limits**

Upper No data available

Lower No data available

**Sensitivity to Mechanical Impact:** No information available.

**Sensitivity to Static Discharge:** No information available.

#### **Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous Combustion Products:** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### Section 6- Accidental Release Measures.

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

#### **Methods for Containment and Clean Up:**

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

### Section 7- Handling and Storage.

**Handling:** Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.



**Storage:** Hygroscopic. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Store at room temperature in the original container. Store away from incompatible materials.

### Section 8- Exposure Control/Personal Protection.

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Measures:** None under normal use conditions.

#### **Personal Protective Equipment**

**Eye/face Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin and body protection:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory Protection:** Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

#### **Hygiene Measures:**

Handle in accordance with good industrial hygiene and safety practice

### Section 9- Physical and Chemical Properties.

<b>Appearance:</b>	White Powder.
<b>Odor:</b>	No information available.
<b>Odor Threshold:</b>	No information available.
<b>pH:</b>	No information available.
<b>Melting Point/Range:</b>	No information available.
<b>Boiling Point/Range:</b>	No information available.
<b>Flash Point:</b>	No information available.
<b>Evaporation Rate:</b>	No information available.
<b>Flammability (solid,gas):</b>	Not applicable.
<b>Flammability or explosive limits</b>	
Upper	No information available.
Lower	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Density:</b>	No information available.
<b>Solubility:</b>	Soluble in water.
<b>Partition coefficient; n-octanol/water:</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.



**Molecular formula:** No information available.

**Molecular Weight:** No information available.

### Section 10- Stability and Reactivity.

**Reactive Hazard:** Reactive with oxidizing agents.

**Stability:** Hygroscopic. Stable under recommended storage conditions.

**Conditions to Avoid:** Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible Materials:** Oxidizing agent.

**Hazardous Decomposition Products:** Sodium oxides.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

**Hazardous Reactions:** None under normal processing.

### Section 11- Toxicological Information.

#### **Acute Toxicity**

**Product Information:** No acute toxicity information is available for this product.

#### **Component Information**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
L-Aspartic acid	Not listed	Not listed	Not listed

**Toxicologically Synergistic Products:** No information available.

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Irritation:** No information available.

**Sensitization:** No information available.

**Mutagenic Effects:** No information available.

**Reproductive Effects:** No information available.

**Developmental Effects:** No information available.

**Teratogenicity:** No information available.

STOT - single exposure None known

STOT - repeated exposure None known

**Aspiration hazard:** No information available.

**Symptoms / effects, both acute and delayed:** No information available.

**Endocrine Disruptor Information:** No information available.

**Other Adverse Effects:** The toxicological properties have not been fully investigated.

### Section 12- Ecological Information.

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation/ Accumulation:** No information available.

**Mobility:** No information available.



### Section 13- Disposal Considerations.

**Waste Disposal Methods:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

### Section 14- Transport Information.

**DOT:** Not regulated

**TDG:** Not regulated

**IATA:** Not regulated

**IMDG/IMO:** Not regulated

### Section 15- Regulatory Information.

**Legend:**

TSCA - Toxic Substances Control Act, (40 CFR Part 710).

X - Listed

'-' - Not Listed

**TSCA 12(b)** - Notices of Export: Not applicable.

**U.S. Federal Regulations**

SARA 313: Not applicable

SARA 311/312 Hazard Categories See section 2 for more information.

CWA (Clean Water Act): Not applicable.

**Clean Air Act:** Not applicable.

**OSHA** - Occupational Safety and Health Administration: Not applicable.

**CERCLA:** Not applicable.

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

### Section 16- Other Information.

Briti Scientific provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

