



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: wbcil@wbcil.com

Website: www.wbcil.com

Section 1 - Chemical Product and Company Identification

MSDS Name: Calcium Butyrate Food Grade

Product Code: CABFO98

Company Identification:

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Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt	Molecular Formula	Molecular Weight
Calcium Butyrate	5473 - 36- 2	100	C ₈ H ₁₄ CaO ₄	214.27 g/mol

Section 3 - Hazards Identification

APPEARANCE	:	White to off white powder
CAUTION	:	None
TARGET ORGANS	:	None
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	:	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Not a hazardous substance or mixture according to EC-directives 67/548/EEC.
LABEL ELEMENTS	:	The product does not need to be labeled in accordance with EC directives or respective national laws.
Signal Word: Warning Hazard statements: H302: Harmful if swallowed. H316: Causes mild skin irritation. H320: Causes eye irritation. H333: May be harmful if inhaled. H335: May cause respiratory irritation. Precautionary statements: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.		

NFPA SCALE (0-4)

Health	2
Flammability	1
Physical Hazard	0

Personal protection E

HMIS RATINGS (0-4)





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P264: Wash ... thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P330: Rinse mouth.
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304+312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313: If skin irritation occurs: Get medical advice/attention.
P337+313: If eye irritation persists get medical advice/attention.
Classification according to EU Directives 67/548/EEC or 1999/45/EC:
Hazard Symbols:
Xn Harmful
Xi Irritant
Risk Phrases:
R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system, and skin.

Section 4 - First Aid Measures

GENERAL ADVICE	:	Consult a physician. Show this safety data sheet to the doctor in attendance
IF INHALED	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
SKIN CONTACT	:	Wash off with soap and plenty of water. Consult a physician.
EYE CONTACT	:	Flush eyes with water as precaution.
IF SWALLOWED	:	Never give anything by mouth to an unconscious person. Rinse mouth





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	with water. Consult a physician.
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Section 5 - Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
UNSUITABLE EXTINGUISHING MEDIA	:	Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	:	Wear self contained breathing apparatus for firefighting if necessary.
ADVICE FOR FIREFIGHTERS	:	Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	:	According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	:	Carbon oxides, Sulfur oxides, Calcium oxide, Combustible.

Section 6 - Accidental Release Measures

PERSONAL PRECAUTIONS	:	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
ENVIRONMENTAL PRECAUTIONS	:	Do not let product enter drains.
METHODS AND MATERIALS FOR CONTAINMENT & CLEANING UP	:	Pick up and arrange disposal without creating dust. Sweep up and keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

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. Normal measures for preventive fire protection.
CONDITIONS FOR SAFE STORAGE	:	Store in cool place. Keep container tightly closed in a dry and well – ventilated place. Light sensitive. Hygroscopic.





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Storage class (TRGS 510)	:	13
Storage temperature	:	store at 10°C - 25°C

Section 8 - Exposure Controls / Personal Protection

HYGIENE MEASURES	:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
RESPIRATORY PROTECTION	:	Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
HAND PROTECTION	:	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.
EYE PROTECTION	:	Safety glasses with side-shields conforming to EN166.
SKIN AND BODY PROTECTION	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Section 9 - Physical and Chemical Properties

Appearance form	:	Powder.
Color	:	White to off white
Odour	:	Sour milky odour
Solubility	:	Soluble in water and the solution is slightly opalescent
Molecular weight	:	214.27g/mol
Melting Point/Decomposition Temperature	:	>300°C
Density	:	1.30 g/cm ³
Other safety information	:	No data available

Section 10 - Stability and Reactivity

Chemical stability	:	Stable under recommended storage conditions.
Conditions to avoid	:	Exposure to moisture may affect product quality.
Materials to avoid	:	Strong oxidizing agents.
Hazardous Decomposition Products	:	Hazardous decomposition products formed under fire conditions. - Carbon dioxides, Calcium oxides.

Section 11 - Toxicological Information





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Section 11 - Toxicological Information

Acute Toxicity	:	Oral Category 4, H302 LD50 Oral - Rat - 12.870 mg/kg
Skin corrosion/ irritation	:	Category 3, H316
Serious eye damage/eye irritation	:	Category 2B, H320
Respiratory or skin sensitization	:	No Data Available
Germ Cell Mutagenicity	:	Laboratory experiments have shown mutagenic effects.
Carcinogenicity	:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	:	No Data available.
Specific target organ toxicity - single exposure	:	Inhalation - May cause respiratory irritation
Specific target organ toxicity - single exposure	:	Respiratory tract irritation Category 3, H335
Aspiration hazard	:	No data available.
Acute toxicity, inhalation	:	Category 5, H333 May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	:	May be harmful if swallowed.
Skin	:	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	:	Causes eye irritation.
Signs and Symptoms of Exposure	:	Burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Spasm, Inflammation and Edema of the larynx, Inflammation and edema of the bronchi, Pneumonitis, Pulmonary edema.

Section 12 - Ecological Information

TOXICITY TO FISH	:	LC50 - Lepomis macrochirus - 5.000 mg / l - 24 hr.
Toxicity to daphnia and other aquatic invertebrates.	:	EC50 - Daphnia magna (Water flea) - 1.950 mg / l - 24 hr
PERSISTANCE & DEGRADABILITY	:	No data available.
BIOACCUMULATIVE POTENTIAL	:	No data available.
OTHER ADVERSE EFFECTS	:	No data available

Section 13 - Disposal Considerations

PRODUCT

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste





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disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

CONTAMINATED PACKAGING

Dispose of as unused product.

Section 14 - Transport Information

IMDG CODE	:	Not subject to transport regulations
UN Number	:	Not Assigned
Transport hazard class	:	Not Assigned
Packaging Group	:	Not Assigned
Labels	:	Sodium Butyrate 98 %
Ems Number 1	:	+918017897890
Ems Number 2	:	
Environmental hazards	:	Non-environmentally hazardous acc. to the dangerous goods regulation
D O T Classification	:	Not a DOT controlled material
Sea transport Goods	:	Nonhazardous/non-dangerous.

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Other Information

Disclaimer: This material safety data sheet is provided as an information resource only. WEST BENGAL CHEMICAL INDUSTRIES LIMITED believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.

Issue Date: July, 2023

Revision Date: June, 2025

Revision No.: 03

