



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

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

Product Name: Sodium Propionate

Product Code : SOPNL98

Company Identification:

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145/1, Jessore Road, Lake Town,

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Section 2 - Composition / Information on Ingredients

Chemical Name	:	Sodium Propionate
Molecular Formula	:	C ₃ H ₅ O ₂ Na
Molecular Weight	:	96.7 g/mol
CAS Number	:	137-40-6
EC Number	:	1272/2008

Section 3 - Hazards Identification

Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

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.





Section 4 - First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:

Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5 - Fire-Fighting Measures

Flammability of the Product:

May be combustible at high temperature.

Auto-Ignition Temperature:

Not available.

Flash Points:

> 250 °C / > 482°F

Flammable Limits:

Not available.

Products of Combustion:

Some metallic oxides.

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.





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Section 6 - Accidental Release Measures

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.

Section 7 - Handling and Storage

Precautions:

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 ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage:

Keep container tightly closed, away from sunlight.





Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

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.

Personal Protection in Case of a Large Spill:

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:

Not available.

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Form

Form	:	Free flowing powder
Color	:	White
Odour	:	no data available
pH of a 10% w/v Suspension	:	5.0-8.5
Melting point/freezing point	:	no data available
Initial boiling point and boiling range	:	no data available
Sublimation Temperature:	:	no data available
Density:	:	no data available
Vapour pressure	:	no data available
Vapour density	:	no data available
Refractive density	:	no data available
Water solubility	:	no data available
Decomposition temperature	:	no data available
Viscosity	:	no data available

9.2 Other safety information

No data available





Section 10 - Stability and Reactivity

Stability:

The product is stable at recommended conditions.

Instability Temperature:

Not available.

Conditions of Instability:

Excess heat, incompatible materials

Incompatibility with various substances:

Reactive with oxidizing agents.

Corrosivity:

Non-corrosive in presence of glass.

Section 11 - Toxicological Information

Routes of Entry:

Inhalation. Ingestion.

Toxicity to Animals:

Acute oral toxicity (LD50): 5600 mg/kg [Mouse].

Chronic Effects on Humans:

Not available.

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:

Not available.

Special Remarks on Chronic Effects on Humans:

Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation.

Inhalation: May cause respiratory tract irritation. Ingestion: Ingestion of large amounts may cause gastrointestinal tract irritation.





Section 12 - Ecological Information

Ecotoxicity:

Not available.

BOD5 and COD:

Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation:

The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation:

Not available.

Section 13 - Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 - Transport Information

DOT Classification:

Not a DOT controlled material.

Identification:

Not applicable.

Special Provisions for Transport:

Not applicable.





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Section 15 - Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Sodium Propionate

Other Regulations:

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

R36- Irritating to eyes. S24/25- Avoid contact with skin and eyes. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Splash goggles.

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.

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