



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

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

Email: webcil@wbcil.com

Website: www.wbcil.com

Section 1 - Chemical Product and Company Identification

MSDS Name: Boron Citrate

Product Code: BCT0506

Company Identification:

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Section 2 - Composition / Information on Ingredients

Formula: C₆H₅BO₇

Molecular Weight: 199.91 g/mol

CAS No: 74231-02-0

Ingredient Name	% wt
Boron Citrate	100%



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Section 3 - Hazards Identification

Reproductive toxicity Category 2

Potential Acute Health Effects: No data available.

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.

Signal Words: Danger

Hazard statements:

H360: May damage fertility or the unborn child.

Precautionary statements:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P281: Use personal protective equipment as required.

P308+313: IF exposed or concerned: Get medical advice/attention.

P405: Store locked up.

P501: Dispose of contents/container to authorized agents only.

Classification according to EU Directives 67/548/EEC or 1999/45/EC:

Hazard Symbol:

Xn = Harmful

Risk Phrases:

R60 = May impair fertility.

R61 = May cause harm to the unborn child.



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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. Get medical attention if irritation occurs. Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Skin Contact:	
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Section 5 - Fire-Fighting Measures

Flammability of the Product	: Not available.
Auto-Ignition Temperature:	: Not available.
Flash Points	: Not available.
Flammable Limits	: Not available.
Products of Combustion	: Not available.
Fire Hazards in Presence of Various Substances	: Not available.
Fire Fighting Media and Instructions	: Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific Hazards arising from Chemicals	: No data available.



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Section 6 - Accidental Release Measures

Personal Protection:

Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use.

Keep unprotected persons away.

Environmental Protection:

Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling

: Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.

Storage

: Store in a tightly closed container in a dry, well ventilated place.

Section 8 - Exposure Controls / Personal Protection

Eyes

: Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.

Skin

: Wear impervious gloves and protective clothing.

Respiratory

: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits

: Consult local authorities for acceptable exposure limits.

Occupational Exposure limit value

: No data available

Biological limit values

: No data available



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Section 9 - Physical and Chemical Properties

Appearance Form	:	Powder
Color	:	Off-white to white
Odour	:	No data available
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 Index	:	No data available
Water solubility	:	No data available.
Decomposition temperature	:	No data available
Viscosity	:	No data available
Other safety information		
Relative density	:	>0.4

Section 10 - Stability and Reactivity

Reactivity	:	No data available.
Stability	:	Stable under normal temperatures and pressures.
Incompatibility	:	No data available.
Conditions to Avoid	:	No data available.
Hazardous Decomposition Product	:	No data available.

Section 11 - Toxicological Information

RTECS Reference	:	Not Available
Toxicity Data	:	Not Available
Target Organs	:	Not Available
Skin corrosion/irritation	:	Not Available
Serious eye damage/irritation	:	Not Available
Carcinogenicity:	:	Not Available



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Section 12 - Ecological Information

Toxicity	: Not Available
Persistence and degradability	: Not Available
Bioaccumulative potential	: Not Available
Mobility in soil	: Not Available
PBT and vPvB assessment	: Not Available
Other adverse effects:	: Not Available

Section 13 - Disposal Considerations

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

Section 14 - Transport Information

DOT Classification	: Not a DOT controlled material
Air transport Goods	: Nonhazardous/non dangerous as per IATA DGR.
Special Provision for Transport	: Not applicable
IATA Specification	Non-dangerous, non-hazardous

DOT (Pictograms)

AS PER IATA REGULATION SAFE FOR CARRAGE, NON-HAZARDOUS AND NON-RESTRICTED.

NO SPECIAL LABELLING OR TRANSPORT MEASURE HAVE BEEN IDENTIFIED.

THIS IS NOT REGULATED AS PER IATA REGULATION





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Section 15 - Regulatory Information

United States:

Toxic Substance Control Act (TSCA): Not listed

Superfund Amendments and Reauthorization Act (SARA 302): Not listed

Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed

Superfund Amendments and Reauthorization Act (SARA 313): Not listed

European Union:

European Inventory of Existing Chemical Substances (EINECS): Not Available

Hazard Codes: Not Available

Risk Statements: Not Available

Safety Statements: Not Available

Canada :

Canadian Domestic Substances List (DSL): Not listed

Canadian Non-Domestic Substances List (NDSL): Not listed

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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