



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](mailto:wbcil@wbcil.com)

Website: [www.wbcil.com](http://www.wbcil.com)

## Section 1 - Chemical Product and Company Identification

**MSDS Name:** Potassium Magnesium Citrate

**Product Code :** PMC2504

**Company Identification:**

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## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt	Molecular Wt.	Molecular Formula
Potassium Magnesium Citrate	137590-34-2	100	558.90 g/mol	$C_{12}H_{10}K_4MgO_{14}$

## Section 3 - Hazards Identification

<b>INHALATION</b>	:	May cause respiratory irritation
<b>INGESTION</b>	:	May cause gastrointestinal irritation
<b>SKIN CONTACT</b>	:	May cause skin irritation
<b>EYE CONTACT</b>	:	May cause eye irritation
<b>CHRONIC EXPOSURE</b>	:	No known significant effects or critical hazards

## Section 4 - First Aid Measures

<b>INHALATION</b>	:	Move exposed person to fresh air. If not breathing, seek immediate medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel and seek medical attention
<b>INGESTION</b>	:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention.
<b>SKIN CONTACT</b>	:	Remove contaminated clothing and shoes and immediately flush skin with plenty of water for at least 15 minutes.





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### Section 5 - Fire-Fighting Measures

<b>HAZARDOUS COMBUSTION PRODUCTS</b>	:	Not available
<b>FIRE</b>	:	Not considered a fire hazard.
<b>EXPLOSION</b>	:	Not considered an explosion hazard
<b>FIRE EXTINGUISHING MEDIA</b>	:	Use fire-extinguishing media appropriate to the surrounding fire
<b>SPECIAL INFORMATION</b>	:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

### Section 6 - Accidental Release Measures

<b>SPILL CONTROL &amp; RECOVERY</b>	:	Wear appropriate personal protective equipment as specified in Section 8. Clean up spills in a manner that does not disperse dust into the air. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container
<b>DISPOSAL</b>	:	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.





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## Section 7 - Handling and Storage

<b>HANDLING</b>	:	Avoid contact with eyes. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
<b>STORAGE</b>	:	Store in accordance with local regulations. Store in original container, protected from direct sunlight. Keep container tightly closed and sealed until ready for use

## Section 8 - Exposure Controls / Personal Protection

<b>ENGINEERING CONTROLS</b>	:	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.
<b>PERSONAL PROTECTION</b>	:	Safety glasses, Lab Coat, Dust respirator, Be sure to use an approved / certified respirator or equivalent, Gloves
<b>PERSONAL PROTECTION IN CASE OF A LARGE SPILL</b>	:	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.
<b>EXPOSURE LIMITS</b>	:	Consult local authorities for acceptable exposure limits.

## Section 9 - Physical and Chemical Properties

<b>Appearance Form</b>	
<b>Form</b>	: Free flowing powder
<b>Color</b>	: White
<b>Odour</b>	: Odourless
<b>Chemical Formula</b>	: $C_{12}H_{10}K_4MgO_{14}$
<b>Molecular weight</b>	: 558.90 g/mol





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### Section 10 - Stability and Reactivity

<b>Stability</b>	:	The product is stable at normal conditions.
<b>Instability Temperature</b>	:	Not available
<b>Conditions of Instability</b>	:	Not available
<b>Incompatibility with various substances</b>	:	Not available
<b>Corrosivity</b>	:	Non corrosive in presence of glass
<b>Special remarks on Reactivity</b>	:	Not available
<b>Special remarks on Corrosivity</b>	:	Not available
<b>Polymerization</b>	:	Will not occur.

### Section 11 - Toxicological Information

<b>Routes of Entry</b>	:	Not available
<b>Toxicity to Animals</b>	:	Not available
<b>Chronic Effects on Humans</b>	:	Not Available
<b>Other Toxic Effects on Humans</b>	:	Not Available
<b>Special Remarks on Toxicity to Animals</b>	:	Not Available
<b>Special Remarks on Chronic Effects on Humans</b>	:	Not Available
<b>Special Remarks on other Toxic Effects on Humans</b>	:	Not Available

### Section 12 - Ecological Information

<b>ECOTOXICITY</b>	:	Not Available
<b>BOD 5 and COD</b>	:	Not Available
<b>PRODUCTS of BIODEGRADATION</b>	:	Not available
<b>TOXICITY OF THE PRODUCTS OF BIODEGRADATION</b>	:	The Product itself and its products of degradation are not toxic.
<b>SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION.</b>	:	Not Available





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### Section 13 - Disposal Considerations

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Section 14 - Transport Information

<b>DOT Classification</b>	:	Not a DOT controlled material
<b>IATA Classification</b>	:	Non-dangerous, non-hazardous; safe for carriage, no special labeling or transport measure has been identified, Not regulated as per IATA regulation.
<b>Identification</b>	:	Not applicable.
<b>Special Provision for Transport</b>	:	Not applicable

### Section 15 - Regulatory Information

<b>FEDERAL AND STATE REGULATION</b>	:	No information available.
<b>OTHER REGULATIONS</b>	:	No information available.

### 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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