



# Safety Data Sheet

## Section 01 - Identification

Product Identifier	Lewatit MonoPlus M600
Other Means of Identification	None
Product Use and Restrictions on Use	Anion exchange resin for water treatment.
Initial Supplier Identifier	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
Prepared By	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
24-Hour Emergency Phone	Phone: 1 (306) 664 – 2522

## Section 02 - Hazard Identification

### GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

## Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Based on the manufacturer's hazard evaluation, none of the substances in this product are hazardous.	Not Available		

## Section 04 - First Aid Measures

Inhalation	If symptoms are experienced, remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.
Skin Contact / Absorption	Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.
Eye Contact	Flush immediately with water for at least 30 minutes. If irritation persists, seek medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless instructed to do so by medical personnel. If discomfort occurs, seek medical attention.
Additional Information	Not Available

## Section 05 - Fire Fighting Measures

Suitable Extinguishing Media	All extinguishing media are suitable (water spray, foam, dry chemical) for surrounding fire.
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<b>Unsuitable Extinguishing Media</b>	DO NOT use carbon dioxide (CO <sub>2</sub> ).
<b>Specific Hazards Arising From the Chemical</b>	Carbon and nitrogen oxides.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
<b>Further Information</b>	Move containers from fire area if this can be done without risk.

## Section 06 - Accidental Release Measures

<b>Personal Precautions / Protective Equipment / Emergency Procedures</b>	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.
<b>Environmental Precautions</b>	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>Methods and Materials for Containment and Cleaning Up</b>	Spill should be swept up and placed in closable container to be disposed of by a licensed waste disposal company.

## Section 07 - Handling and Storage

<b>Precautions for Safe Handling</b>	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.
<b>Conditions for Safe Storage</b>	Storage of product should be kept between -20°C to 40°C. Containers should be kept tightly closed. Store product away from excessive heat, strong oxidizers or combustible materials.
<b>Incompatibilities</b>	Oxidizing and reducing agents.

## Section 08 - Exposure Controls and Personal Protection

### Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Lewatit MonoPlus M600	Not Available		

### Engineering Control(s)

<b>Ventilation Requirements</b>	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.
<b>Other</b>	Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

### Protective Equipment

<b>Eyes/Face</b>	No specific requirements, but it is good practice to wear chemical safety glasses.
<b>Hand Protection</b>	No specific requirements, but it is good practice to prevent skin contact by wearing impervious gloves of chemical resistance.
<b>Skin and Body Protection</b>	No specific requirements, but it is good practice to prevent skin contact by wearing body suite, aprons, and/or coveralls. No special footwear is required other than what is mandated at place of work.

**Respiratory Protection** None required under normal use. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

**Thermal Hazards** Not Available

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## **Section 09 - Physical and Chemical Properties**

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### **Appearance**

**Physical State** Solid beads in aqueous suspension.

**Colour** Light yellow

**Odour** Mild amine odour

**Odour Threshold** Not Available

### **Property**

**pH**  $\leq 9$  (10% aqueous solution)

**Melting Point/Freezing Point** Not Available

**Initial Boiling Point and Boiling Range** Not Available

**Flash Point** Not Available

**Evaporation Rate** Not Available

**Flammability** Non-Flammable

**Upper Flammable Limit** Not Available

**Lower Flammable Limit** Not Available

**Vapour Pressure (mm Hg, 20°C)** Not Available

**Vapour Density (Air=1)** Not Available

**Relative Density** Not Available

**Solubility(ies)** Insoluble in cold water

**Partition Coefficient: n-octanol/water** Not Available

**Auto-ignition Temperature** Not Available

**Decomposition Temperature** Not Available

**Viscosity** Not Available

**Explosive Properties** No specific explosion hazard.

**Specific Gravity (Water=1)** ~ 1.10

**% Volatiles by Volume** Not Available

Formula Not Available

Molecular Weight Not Available

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## Section 10 - Stability and Reactivity

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**Reactivity** Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

**Stability** Stable

**Possibility of Hazardous Reactions** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to Avoid** Segregate from oxidizing materials.

**Incompatible Materials** Oxidizing and reducing agents.

**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen chloride.

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## Section 11 - Toxicological Information

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### Acute Toxicity

Component	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Lewatit MonoPlus M600	> 5000mg/kg (rat)	Not Available	Not Available

### Chronic Toxicity – Carcinogenicity

Component	IARC
Lewatit MonoPlus M600	This product is not listed by NTP, IARC or NIOSH or regulated as a carcinogen by OSHA.

**Skin Corrosion/Irritation** Non-Irritating

**Ingestion** None reported, not a likely route of entry.

**Inhalation** Non-Irritating

**Serious Eye Damage/Irritation** Slightly irritating

**Respiratory or Skin Sensitization** Not Available

**Germ Cell Mutagenicity** Not Available

**Reproductive Toxicity** Not Available

**STOT-Single Exposure** Not Available

**STOT-Repeated Exposure** Pre-existing respiratory, skin and eye disorders and disorders involving any other target organs mentioned in this SDS as being at risk may be aggravated by over-exposure to this product.

**Aspiration Hazard** Not Available

**Synergistic Materials** Not Available

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## Section 12 – Ecological Information

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### Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Lewatit MonoPlus M600	Not Available	Not Available	Not Available
<b>Biodegradability</b>	Not Available		
<b>Bioaccumulation</b>	Not Available		
<b>Mobility</b>	Not Available		
<b>Other Adverse Effects</b>	Because of the insolubility of the substance in water there are no data available on its toxicity in the aqueous environment.		

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## Section 13 – Disposal Considerations

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<b>Waste From Residues/Unused Products</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
<b>Contaminated Packaging</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

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## Section 14 – Transport Information

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<b>UN Number</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>Transport Hazard Class(es)</b>	Not Regulated
<b>Packaging Group</b>	Not Regulated
<b>Environmental Hazards</b>	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
<b>Special Precautions</b>	Not Available
<b>Transport in Bulk</b>	Not Available

### TDG

<b>Other</b>	Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.
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**TDG PRODUCT CLASSIFICATION:** This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

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## Section 15 – Regulatory Information

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**NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

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## Section 16 – Other Information

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**Preparation Date** August 26, 2015

**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no

guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

**Attention: Receiver of the chemical goods / SDS coordinator**

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

**References:**

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

**ClearTech Industries Inc. - Locations**

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**24 Hour Emergency Number - All Locations – 1(306) 664-2522**