



Safety Data Sheet

Section 01 - Identification

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| Product Identifier | Lewatit MonoPlus S 108 |
| Other Means of Identification | None |
| Product Use and Restrictions on Use | Cation 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

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| 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. Wash clothing and shoes before reuse. |
| 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

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| Suitable Extinguishing Media | Use appropriate extinguishing media, water spray (fog), foam or dry chemical. |
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| Unsuitable Extinguishing Media | DO NOT use carbon dioxide (CO ₂). |
| Specific Hazards Arising From the Chemical | Decomposition products may include carbon dioxide, carbon monoxide, halogenated compounds. |
| Special Protective Equipment and Precautions for Fire-Fighters | Wear NIOSH-approved self-contained breathing apparatus and protective clothing. Move containers from fire area if this can be done without risk. |
| Further Information | Use water spray to cool containers and to knock down fumes. |

Section 06 - Accidental Release Measures

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| Personal Precautions / Protective Equipment / Emergency Procedures | 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. |
| Environmental Precautions | 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). |
| Methods and Materials for Containment and Cleaning Up | Spill should be swept up or vacuumed and placed in closable container to be disposed of by a licensed waste disposal company. |

Section 07 - Handling and Storage

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| Precautions for Safe Handling | 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. |
| Conditions for Safe Storage | Store in accordance with local regulations. Store between -20 to 40°C. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. It is recommended to store ion exchange resins at temperatures above the freezing point of water. If the resin should become frozen, the resin should not be mechanically handled and should be left to thaw out gradually at ambient temperature. It must be completely thawed before handling or use. No attempt should be made to accelerate the thawing process. |
| Incompatibilities | Oxidizing and reducing agents. |

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

| Component | Regulation | Type of Listing | Value |
|------------------------|---------------|-----------------|-------|
| Lewatit MonoPlus S 108 | Not Available | | |

Engineering Control(s)

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| Ventilation Requirements | 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. |
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| Other | Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity. |
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Protective Equipment

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| Eyes/Face | No specific requirements, but it is good practice to wear chemical safety glasses. |
| Hand Protection | No specific requirements, but it is good practice to prevent skin contact by wearing impervious gloves of chemical resistance. |
| Skin and Body Protection | 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 |

Section 09 - Physical and Chemical Properties

Appearance

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| Physical State | Solid gel-like beads. |
| Colour | Black/brown |
| Odour | Odourless |
| Odour Threshold | Not Applicable |

Property

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| pH | 6-9.5 (10% 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 | >500°C |

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| Decomposition Temperature | Not Available |
| Viscosity | Not Available |
| Explosive Properties | No specific explosion hazard. |
| Specific Gravity (Water=1) | 1.30 |
| % Volatiles by Volume | Not Available |
| Formula | Not Available |
| Molecular Weight | Not Available |

Section 10 - Stability and Reactivity

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| Reactivity | Not Available |
| Stability | Stable |
| Possibility of Hazardous Reactions | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to Avoid | Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins. |
| Incompatible Materials | Oxidizing and reducing agents. |
| Hazardous Decomposition Products | Carbon monoxide, carbon dioxide, metal oxides. |

Section 11 - Toxicological Information

Acute Toxicity

| Component | Oral LD₅₀ | Dermal LD₅₀ | Inhalation LC₅₀ |
|------------------------|-----------------------------|-------------------------------|-----------------------------------|
| Lewatit MonoPlus S 108 | > 5000mg/kg (rat) | Not Available | Not Available |

Chronic Toxicity – Carcinogenicity

| Component | IARC |
|------------------------|--|
| Lewatit MonoPlus S 108 | This product is not listed by NTP, IARC or NIOSH or regulated as a carcinogen by OSHA. |

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| 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 | Not Available |

Aspiration Hazard Not Available

Synergistic Materials Not Available

Section 12 – Ecological Information

Ecotoxicity

| Component | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia and Other Aquatic Invertebrates |
|------------------------|-------------------|------------------|---|
| Lewatit MonoPlus S 108 | Not Available | Not Available | Not Available |

Biodegradability Not Available

Bioaccumulation Not Available

Mobility Not Available

Other Adverse Effects Because of the insolubility of the substance in water there are no data available on its toxicity in the aqueous environment.

Section 13 – Disposal Considerations

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

Contaminated Packaging Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 – Transport Information

UN Number Not Regulated

UN Proper Shipping Name Not Regulated

Transport Hazard Class(es) Not Regulated

Packaging Group Not Regulated

Environmental Hazards Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.

Special Precautions Not Available

Transport in Bulk Not Available

TDG

Other 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.

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.

Section 15 – Regulatory Information

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.

Section 16 – Other Information

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® 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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