SECTION 1. IDENTIFICATION

Product name : LEWATIT MDS TP 208
Material number : 56814470
Recommended use : Ion exchange, resins and catalysts

Manufacturer or supplier’s details
Supplier : LANXESS Corporation
Product Safety & Regulatory Affairs
111 RIDC Park West Drive
Pittsburgh PA 15275-1112
USA
Telephone : +1800LANXESS
+14128091000 (international)

Emergency telephone : CHEMTREC (800) 424 9300
International (703) 527 3887
Lanxess Emergency Phone: (866) 673 6350

SECTION 2. HAZARDS IDENTIFICATION

Not a hazardous substance or mixture.

GHS label elements
Not a hazardous substance or mixture.

Hazard Not Otherwise Classified (HNOC)
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : styrene-divinylbenzene-copolymer with iminodiacetic acid groups in form of salt

Hazardous ingredients
No hazardous ingredients

SECTION 4. FIRST AID MEASURES

General advice : Show this material safety data sheet to the doctor in attendance.
Move out of dangerous area.
Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.
Get medical attention if symptoms occur.

In case of skin contact : Wash off with soap and plenty of water.
Remove contaminated clothing and shoes.
Get medical attention if symptoms occur.

In case of eye contact : Get medical attention if symptoms appear.
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Remove contact lenses, if present and easy to do. Continue rinsing.
Continue to rinse for at least 10 minutes.

If swallowed : Rinse mouth with water.
Give small amounts of water to drink.
Get medical attention if symptoms occur.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
In case of fire, use water spray (fog), foam or dry chemical.

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : none

Hazardous combustion products : Carbon monoxide
Carbon dioxide (CO2)
Nitrogen oxides (NOx)
Metal oxides

No hazardous combustion products are known

Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
No action shall be taken involving any personal risk or without suitable training.

Special protective equipment : Fire-fighters should wear appropriate protective equipment
for fire-fighters and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material. Put on appropriate personal protection equipment. Hazard of slipping on spilled product.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of wastes in an approved waste disposal facility. Do not allow into the sewerage system, surface waters or groundwater or into the soil.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions for safe storage: Store in accordance with local regulations. 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 containers sealed until ready for use. Do not store in unlabeled containers. Take action to prevent static discharges. Do not allow to dry.

Recommended storage temperature: -4 - 104 °F (-20 - 40 °C)

Further information on storage stability: 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.
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment
Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter.

Filter type: P1 filter

Hand protection
Material: Polyvinyl chloride - PVC
Wearing time: < 60 min

Material: Nitrile rubber - NBR
Wearing time: < 60 min

Eye protection: Safety glasses with side-shields

Skin and body protection: Wear suitable protective clothing.

Hygiene measures: Appropriate techniques should be used to remove potentially contaminated clothing. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid
Appearance: beads
Color: beige, opaque
Odor: odorless
Odor Threshold: No data available
pH: No data available
Melting point/range: > 392 °F (> 200 °C)
Boiling point/boiling range: No data available
Flash point: No data available
Evaporation rate: No data available
Flammability (solid, gas): No data available
Upper explosion limit / Upper flammability limit: No data available
Lower explosion limit: No data available
Vapor pressure: No data available
Relative vapor density: No data available
Relative density: 1.17
Density: 1.16 g/cm³ (68 °F (20 °C))
Bulk density: 700 - 780 kg/m³
Solubility(ies)
  Water solubility: insoluble
Partition coefficient: n-octanol/water: No data available
Ignition temperature: > 572 °F (> 300 °C)
Decomposition temperature: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidizing properties: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: The product is chemically stable.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use. Auto-flammability
Conditions to avoid : Contact with strong oxidising agents may cause hazardous reactions.

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

Hazardous decomposition products : No decomposition if stored normally.

SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

**Acute toxicity**
Not classified based on available information.

**Product:**
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Remarks: Test results on an analogous product

**Skin corrosion/irritation**
Not classified based on available information.

**Product:**
Result: No skin irritation
Remarks: Test results on an analogous product

**Serious eye damage/eye irritation**
Not classified based on available information.

**Product:**
Result: No eye irritation
Remarks: Test results on an analogous product

**Respiratory or skin sensitization**

**Skin sensitization**
Not classified based on available information.

**Respiratory sensitization**
Not classified based on available information.

**Germ cell mutagenicity**
Not classified based on available information.

**Carcinogenicity**
Not classified based on available information.

**IARC**
No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**
No component of this product present at levels greater than or
equal to 0.1% is on OSHA’s list of regulated carcinogens.

**NTP**
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**
Not classified based on available information.

**STOT-single exposure**
Not classified based on available information.

**STOT-repeated exposure**
Not classified based on available information.

**Aspiration toxicity**
Not classified based on available information.

**Further information**

**Product:**
Remarks: According to our experience and information the product has no harmful effects on health if properly handled.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
No data available

**Persistence and degradability**
No data available

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Other adverse effects**

**Product:**
- Remarks: The product does not contain organically bounded halogens which could lead to an AOX value in waste water.
- No known significant effects or critical hazards.

The product is insoluble in water. Therefore, ecological tests have not been conducted.

### SECTION 13. DISPOSAL CONSIDERATIONS
RCRA - Resource Conservation and Recovery Authorization Act
If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Disposal methods
The generation of waste should be avoided or minimized wherever possible.
Dispose of wastes in an approved waste disposal facility.
This material and its container must be disposed of in a safe way.
The product should not be allowed to enter drains, water courses or the soil.
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.
Empty containers retain residue and can be dangerous.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Domestic regulation

DOT
Not regulated as a dangerous good
Further information for transport: If packagings larger than 3 m³: dangerous good of division 4.2.

International Regulations

IATA-DGR
Not regulated as a dangerous good

IATA (Cargo)
Further information for transport: If packagings larger than 3 m³: dangerous good of division 4.2.

IATA (Passenger)
Further information for transport: If packagings larger than 3 m³: dangerous good of division 4.2.

IMDG-Code
Not regulated as a dangerous good
Further information for transport: If packagings larger than 3 m³: dangerous good of division 4.2.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

CERCLA
None
Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards: No SARA Hazards

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know
Styrene-divinylbenzene-copolymer with Methylene-im inodiacetic Acid anchor-groups in form of Sodium Salt
135620-93-8 50 - 60
Water
7732-18-5 40 - 50

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

TSCA inventory
TSCA: On TSCA Inventory

TSCA list
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.
**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA:**

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<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
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**HMIS® IV:**

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<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
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*HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.*

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

**Revision Date**: 07/24/2018

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