SAFETY DATA SHEET
LEWATIT MDS TP 208

Section 1. Identification

<table>
<thead>
<tr>
<th>GHS product identifier</th>
<th>: LEWATIT MDS TP 208</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of the substance/mixture</td>
<td>: Ion exchange, resins and catalysts</td>
</tr>
</tbody>
</table>
| Supplier's details | : Lanxess, S.A. de C.V.  
Ejército Nacional No. 579 piso 3  
Col. Granada  
CP 11520 México D.F.  
Teléfono: +52 (55) 52 62 43 00 |
| Emergency telephone number | : SETIQ 01-800-00-214-00, 55-59-15-88 (D.F.) 24 hours(Transport)  
52-62-43-00 Between the hours of 8:00am and 5:00pm |

Section 2. Hazards identification

| HAZCOM Standard Status | : This product has been classified according to the Global Harmonized System of the United Nations (Purple Book Rev. 4) and in accordance with the NMX-R-019-SCFI-2011. |
| Classification of the substance or mixture | : Not classified. |
| GHS label elements | |
| Signal word | : No signal word. |
| Hazard statements | : No known significant effects or critical hazards. |
| Precautionary statements | |
| Prevention | : Not applicable. |
| Response | : Not applicable. |
| Storage | : Not applicable. |
| Disposal | : Not applicable. |
| Other hazards which do not result in classification | : None known. |

Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture |
| Product definition | : styrene-divinylbenzene-copolymer with iminodiacetic acid groups in form of salt |
| Other means of identification | : Not available. |

CAS number/other identifiers

| CAS number | : Not applicable. |

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Date of issue : 2016-11-08
Section 4. First aid measures

**Description of necessary first aid measures**

**Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation**: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin contact**: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion**: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed**

**Potential acute health effects**

- **Eye contact**: No known significant effects or critical hazards.
- **Inhalation**: No known significant effects or critical hazards.
- **Skin contact**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

- **Eye contact**: No specific data.
- **Inhalation**: No specific data.
- **Skin contact**: No specific data.
- **Ingestion**: No specific data.

**Indication of immediate medical attention and special treatment needed, if necessary**

- **Notes to physician**: Not available.
- **Specific treatments**: No specific treatment.
- **Protection of first-aiders**: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

**Extinguishing media**

- **Suitable extinguishing media**: In case of fire, use water spray (fog), foam, dry chemical or CO₂.
- **Unsuitable extinguishing media**: None known.

**Specific hazards arising from the chemical**: No specific fire or explosion hazard.
Section 5. Fire-fighting measures

| Hazardous thermal decomposition products | Decomposition products may include the following materials:  
|                                          | carbon dioxide  
|                                          | carbon monoxide  
|                                          | nitrogen oxides  
|                                          | metal oxide/oxides |

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

Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Personal precautions, protective equipment and emergency procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>For non-emergency personnel</strong></td>
</tr>
<tr>
<td>No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.</td>
</tr>
</tbody>
</table>

| **For emergency responders**                                       |
| If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

| Environmental precautions |
| Avoid dispersal of spilled 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). |

<table>
<thead>
<tr>
<th>Methods and materials for containment and cleaning up</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Small spill</strong></td>
</tr>
<tr>
<td>Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.</td>
</tr>
</tbody>
</table>

| **Large spill**                                       |
| Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

Section 7. Handling and storage

| Precautions for safe handling |
| Put on appropriate personal protective equipment (see Section 8). |

| Conditions for safe storage, including any incompatibilities |
| Store between the following temperatures: -20 to 40°C (-4 to 104°F). 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 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. |

| Remarks | Take precautionary measures against electrostatic discharges. Do not allow to dry out. |

Date of issue : 2016-11-08
Section 8. Exposure controls/personal protection

Control parameters

Exposure limit values : Not available.
Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls : If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal protection

Hygiene measures : 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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Skin protection : Wear suitable protective clothing and gloves. Suitable protective footwear.

Eye/face protection : If contact with product is possible, wear safety glasses with side shields.

Section 9. Physical and chemical properties

Appearance

Physical state : Solid. [beads]
Color : Beige. opaque
Odor : Odorless.
Odor threshold : Not available.
\( \text{pH} \) : Not available.
Melting point : >200°C (>392°F)
Boiling point : Not available.
Flash point : Not available.
Evaporation rate : Not available.
Flammability (solid, gas) : Not available.
Lower and upper explosive (flammable) limits : Not available.
Vapor density : Not available.
Density : 1,16 kg/L (20°C)
Relative density : 1,17
Bulk density : 700 to 780 kg/m³
Solubility : Insoluble in the following materials: cold water
Partition coefficient: n-octanol/water : Not available.
Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition temperature</td>
<td>&gt;300°C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

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 stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: The product is self-ignitable. As long as the packaging size does not exceed 3 m³, the product is not subject to Transport Class 4.2. Contact with strong oxidising agents may cause hazardous reactions.

Incompatible materials: No specific data.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
<th>Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEWATIT MDS TP 208</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg *Test results on an analogous product</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritation/Corrosion
Not available.

Conclusion/Summary

Skin: Non-irritating. *Test results on an analogous product.
Eyes: Non-irritating. *Test results on an analogous product.

Sensitization

Specific target organ toxicity (single exposure)
Not available.

Specific target organ toxicity (repeated exposure)
Not available.

Aspiration hazard
Not available.

Information on the likely routes of exposure
Dermal contact. Eye contact.

Date of issue: 2016-11-08
Section 11. Toxicological information

### Potential acute health effects

- **Eye contact**: No known significant effects or critical hazards.
- **Inhalation**: No known significant effects or critical hazards.
- **Skin contact**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

- **Eye contact**: No specific data.
- **Inhalation**: No specific data.
- **Skin contact**: No specific data.
- **Ingestion**: No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- **Potential immediate effects**: Not available.
- **Potential delayed effects**: Not available.

#### Long term exposure

- **Potential immediate effects**: Not available.
- **Potential delayed effects**: Not available.

### Remarks

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

Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

#### Soil/water partition coefficient (K<sub>OC</sub>)

Not available.

### Other adverse effects

No known significant effects or critical hazards.

### Remarks

The product is insoluble in water. Therefore, ecological tests have not been conducted. No known significant effects or critical hazards.
Section 13. Disposal considerations

Disposal methods

Waste disposal should be in accordance with the General Law for the Prevention and Management of Waste and its Regulations.

Section 14. Transport information

<table>
<thead>
<tr>
<th></th>
<th>SCT</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No.</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not regulated. Remarks if packagings larger than 3 m³: dangerous good of division 4.2</td>
<td>Not regulated. Remarks if packagings larger than 3 m³: dangerous good of division 4.2</td>
<td>Not regulated. Remarks if packagings larger than 3 m³: dangerous good of division 4.2</td>
</tr>
</tbody>
</table>

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

The following Regulations are applicable to the handling of chemicals in the workplace:

- Federal Regulation on Safety and Health at the Workplace.
- NOM-005-STPS concerning the Conditions of Health and Safety in the Workplace for the Handling, Transport and Storage of Hazardous Chemicals.
- NOM-017-STPS - Personal Protective Equipment Selection, Use and Handling in the workplace.
- NOM-010-SCT Compatibility and segregation for the Storage and Transportation of Hazardous Substances, Materials and Wastes

Section 16. Other information

Hazardous Material Information System

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protective equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>B</td>
</tr>
</tbody>
</table>

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme *=Chronic

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Date of issue : 2016-11-08
Section 16. Other information

National Fire Protection Association (U.S.A.)

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

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History

Date of issue/Date of revision : 2016-11-08
Date of previous issue : 2016-06-24
Version : 1.01

Indicates information that has changed from previously issued version.

Notice to reader

The data presented in this Safety Data Sheet are based on results from both proprietary and third party research and our current experience and consider it correct. The purpose of this Safety Data Sheet is to describe the product in terms of their safety requirements. This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of LANXESS, S.A. DE C.V. The information in this SDS relates only to the specific material designated herein. LANXESS, S.A. DE C.V assumes no legal responsibility for use of or reliance upon the information in this SDS.