## Section 1. Identification

<table>
<thead>
<tr>
<th>GHS product identifier</th>
<th>:</th>
<th>LEWATIT MonoPlus TP 260</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of the substance/mixture</td>
<td>:</td>
<td>Ion exchange, resins and catalysts</td>
</tr>
<tr>
<td>Supplier's details</td>
<td>:</td>
<td>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</td>
</tr>
<tr>
<td>Emergency telephone number</td>
<td>:</td>
<td>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</td>
</tr>
</tbody>
</table>

## 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 | : | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 |
| GHS label elements | : | Not applicable |
| Hazard pictograms | : | ! |
| Signal word | : | Warning |
| Hazard statements | : | H319 - Causes serious eye irritation. |
| Precautionary statements | : | Wear protective gloves and eye/face protection. Wash hands thoroughly after handling. |
| Response | : | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| Storage | : | Not applicable. |
| Disposal | : | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Other hazards which do not result in classification | : | None known. |

Date of issue : 2016-11-08
Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

CAS number/other identifiers

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>styrene-divinylbenzene-copolymer with phosphonic acid groups in sodium-form</td>
<td>25 - 50</td>
<td>114060-55-8</td>
</tr>
</tbody>
</table>

There are no additional 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.

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. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion**

Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

**Potential acute health effects**

**Eye contact**

Causes serious eye irritation.

**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**

Adverse symptoms may include the following: pain or irritation, watering, redness.
Section 4. First aid measures

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Notes to physician</th>
<th>Specific treatments</th>
<th>Protection of first-aiders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td>No specific treatment.</td>
<td>No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</td>
</tr>
</tbody>
</table>

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Unsuitable extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>In case of fire, use water spray (fog), foam or dry chemical.</td>
<td>None known.</td>
</tr>
</tbody>
</table>

Specific hazards arising from the chemical

<table>
<thead>
<tr>
<th>Hazardous thermal decomposition products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition products may include the following materials:</td>
</tr>
<tr>
<td>carbon dioxide</td>
</tr>
<tr>
<td>carbon monoxide</td>
</tr>
<tr>
<td>metal oxide/oxides</td>
</tr>
</tbody>
</table>

Special protective actions for fire-fighters

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>For non-emergency personnel</th>
<th>For emergency responders</th>
<th>Environmental precautions</th>
</tr>
</thead>
<tbody>
<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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</td>
<td>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 &quot;For non-emergency personnel&quot;.</td>
<td>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).</td>
</tr>
</tbody>
</table>

Methods and materials for containment and cleaning up
# Section 6. Accidental release measures

## Small spill
Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

## Large spill
Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Approach release from upwind. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, 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). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

## 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.

# Section 8. Exposure controls/personal protection

## 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

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**Date of issue**: 2016-11-08  
**Page**: 4/9
Section 8. Exposure controls/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**: Tightly fitting safety goggles.

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Section 9. Physical and chemical properties

**Appearance**

- **Physical state**: Solid. [beads]
- **Color**: Beige. opaque
- **Odor**: Odorless.
- **Odor threshold**: Not available.
- **pH**: 7 [Conc. (% w/w): 10%]
- **Melting point**: Not available.
- **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**: 1.2 kg/L (20°C)
- **Relative density**: Not available.
- **Bulk density**: 700 to 800 kg/m³
- **Solubility**: Insoluble in the following materials: cold water
- **Partition coefficient: n-octanol/water**: Not available.
- **Ignition temperature**: >250°C
- **Auto-ignition temperature**: Not available.
- **Decomposition temperature**: Not available.
- **Viscosity**: Not available.

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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**: Take precautionary measures against static discharges. Contact with strong oxidising agents may cause hazardous reactions.

**Incompatible materials**: No specific data.
Section 10. Stability and reactivity

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 MonoPlus TP 260</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritation/Corrosion
Not available.

Conclusion/Summary

Skin: Non-irritating *Test results on an analogous product
Eyes: Causes serious eye irritation. *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.

Potential acute health effects

Eye contact: Causes serious eye irritation.
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: Adverse symptoms may include the following:
pain or irritation
watering
redness
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.
Section 11. Toxicological information

Potential delayed effects: Not available.

Numerical measures of toxicity
Acute toxicity estimates

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value (Acute Toxicity Estimates)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

Section 12. Ecological information

Toxicity
Not available.

Persistence and degradability
Not available.

Bioaccumulative potential
Not available.

Mobility in soil

<table>
<thead>
<tr>
<th>Soil/water partition coefficient (K&lt;sub&gt;OC&lt;/sub&gt;)</th>
<th>Not available.</th>
</tr>
</thead>
</table>

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>
</tbody>
</table>

Date of issue: 2016-11-08
Section 14. Transport information


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>Health</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protective equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>C</td>
</tr>
</tbody>
</table>

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

Flammability

Health

Instability/Reactivity

Special

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

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

<table>
<thead>
<tr>
<th>Date of issue/Date of revision</th>
<th>2016-11-08</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of previous issue</td>
<td>2016-04-18</td>
</tr>
<tr>
<td>Version</td>
<td>1.01</td>
</tr>
</tbody>
</table>

Indicates information that has changed from previously issued version.

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

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.