SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
   Trade name: LEWATIT MonoPlus TP 260
   Product code: 06275052

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Use of the Substance/Mixture: Ion exchange, resins and catalysts

1.3 Details of the supplier of the safety data sheet
   Supplier: LANXESS Deutschland GmbH
   Production, Technology, Safety & Environment
   51369 Leverkusen, Germany
   Telephone: +4922188852288
   E-mail address of person responsible for the SDS: infosds@lanxess.com

1.4 Emergency telephone number
   0870 190 6777. National Chemical Emergency Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification (REGULATION (EC) No 1272/2008)
   Eye irritation, Category 2
   H319: Causes serious eye irritation.

2.2 Label elements
   Labelling (REGULATION (EC) No 1272/2008)
   Hazard pictograms:
   Signal word: Warning
   Hazard statements: H319 Causes serious eye irritation.
   Precautionary statements:
   Prevention:
   P264 Wash skin thoroughly after handling.
   P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313  If eye irritation persists: Get medical advice/attention.

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Index-No.</th>
<th>Classification</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene, diethyl-, polymer with ethenylbenzene and ethenylethylbenzene,</td>
<td>114060-55-8</td>
<td></td>
<td></td>
<td>Eye Irrit. 2; H319</td>
<td>&gt;= 30 - &lt; 50</td>
</tr>
<tr>
<td>[bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

If inhaled: 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. If symptoms persist, call a physician. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. Loosen tight clothing such as a collar, tie, belt or waistband.

In case of skin contact: If on skin, rinse well with water.
Take off contaminated clothing and shoes immediately. 
If symptoms persist, call a physician. 
Wash contaminated clothing before reuse.

In case of eye contact:
- Immediately flush eye(s) with plenty of water. 
- Remove contact lenses. 
- Protect unharmed eye. 
- Keep eye wide open while rinsing. 
- If eye irritation persists, consult a specialist.

If swallowed:
- Rinse mouth with water. 
- Give small amounts of water to drink. 
- DO NOT induce vomiting unless directed to do so by a physician or poison control center. 
- If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 
- Never give anything by mouth to an unconscious person. 
- If unconscious, place in recovery position and get medical attention immediately. 
- Keep respiratory tract clear. 
- Loosen tight clothing such as a collar, tie, belt or waistband. 
- If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:
- See Section 11 for more detailed information on health effects and symptoms.

Risks:
- Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment:
- No special measures required. 
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:
- Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting:
- No known significant effects or critical hazards.

Hazardous combustion products:
- Carbon dioxide (CO2) 
- Carbon monoxide
5.3 Advice for firefighters

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

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. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: 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 spilt material. Avoid breathing dust. Avoid dust formation. Provide adequate ventilation. In case of inadequate ventilation wear respiratory protection. Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions: Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Move containers from spill area. Pick up and arrange disposal without creating dust. Sweep up or vacuum up spillage and collect in suitable container for disposal. Keep in suitable, closed containers for disposal. Dispose of wastes in an approved waste disposal facility.

6.4 Reference to other sections

For personal protection see section 8. For disposal considerations see section 13.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling: For personal protection see section 8. Avoid contact with skin and eyes. Do not breathe vapours/dust. Avoid formation of respirable particles. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers: Take action to prevent static discharges. Do not allow to dry. Store in accordance with local regulations. Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Recommended storage temperature: -20 - 40 °C

Further information on storage stability: No decomposition if stored and applied as directed.

7.3 Specific end use(s)
Specific use(s): No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment
Eye protection: Safety glasses with side-shields
Hand protection

Wearing time : < 60 min

Material
- Polyvinyl chloride - PVC
- Nitrile rubber - NBR
- Polychloroprene - CR

Remarks : After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Wear suitable protective clothing.

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Respirator must be worn if exposed to dust.

Filter type : dust-protection mask

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : beads

Colour : beige, opaque

Odour : odourless

Odour Threshold : No data available

pH : 7
  Concentration: 10 %

Melting point/freezing point : No data available

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 : No data available

Lower explosion limit : No data available
SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  

LEWATIT MonoPlus TP 260

Vapour pressure : No data available
Relative vapour density : No data available
Relative density : No data available
Density : 1.2 g/cm³ (20 °C)
Bulk density : 700 - 800 kg/m³
Solubility(ies)
  Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Ignition temperature : > 250 °C
Decomposition temperature : No data available
Viscosity : No data available
Explosive properties : No data available
Oxidizing properties : No data available

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
Hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur. 
  No hazards to be specially mentioned.

10.4 Conditions to avoid
Conditions to avoid : Take measures to prevent the build up of electrostatic charge. 
  Contact with strong oxidising agents may cause hazardous reactions.

10.5 Incompatible materials
Materials to avoid : Oxidizing agents
10.6 Hazardous decomposition products
No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not classified based on available information.

Components:
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, [bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts:
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.

Components:
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, [bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts:
Result: No skin irritation
Remarks: Test results on an analogous product

Serious eye damage/eye irritation
Causes serious eye irritation.

Components:
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, [bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts:
Result: Irritating to eyes.
Remarks: Test results on an analogous product

Respiratory or skin sensitisation

Skin sensitisation
Not classified based on available information.

Respiratory sensitisation
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.
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: No data available

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**SECTION 12: Ecological information**

**12.1 Toxicity**
No data available

**12.2 Persistence and degradability**
No data available

**12.3 Bioaccumulative potential**
No data available

**12.4 Mobility in soil**
No data available

**12.5 Results of PBT and vPvB assessment**

**Product:**
Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

**Product:**
Additional ecological information : The product is insoluble in water. Therefore, ecological tests have not been conducted. No known significant effects or critical hazards.

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product** : Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be
packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations.  
Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number  
Not regulated as a dangerous good

14.2 UN proper shipping name  
Not regulated as a dangerous good

14.3 Transport hazard class(es)  
Not regulated as a dangerous good

14.4 Packing group  
Not regulated as a dangerous good

14.5 Environmental hazards  
Not regulated as a dangerous good

14.6 Special precautions for user  
Hazard statements : Not dangerous cargo.  
Irritating to the eyes.  
Avoid temperatures below -20 °C.  
Keep separated from foodstuffs.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code  
Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable  
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable  
REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants: Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: Neither banned nor restricted

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable


15.2 Chemical safety assessment
not applicable

SECTION 16: Other information

Full text of H-statements
H319: Causes serious eye irritation.

Full text of other abbreviations
Eye Irrit.: Eye irritation
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals

Further information
Classification of the mixture:

| Eye Irrit. 2 | H319 |

Classification procedure:
Calculation method

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet and its Annex [if required according to Regulation (EC) 1907/2006 (REACH)] is to describe the products in terms of their safety requirements. The given details do not imply any guarantee concerning the composition, properties or performance.