SAFETY DATA SHEET

LEWATIT MonoPlus TP 260

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LEWATIT MonoPlus TP 260
Product code : 06275052

Manufacturer or supplier’s details
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
Emergency telephone number : +492143099300

Recommended use of the chemical and restrictions on use
Recommended use : Ion exchange, resins and catalysts

2. HAZARDS IDENTIFICATION

GHS Classification
Serious eye damage/eye irritation : Category 2A

GHS label elements
Hazard pictograms : ![Warning]

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.

Other hazards which do not result in classification
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
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<tbody>
<tr>
<td>Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethybenzene, [bis(phosphonomethyl) amino]methyl [(phosphonomethyl)amino]methyl derivs., sodium salts</td>
<td>114060-55-8</td>
<td>&gt;= 30 - &lt; 50</td>
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4. 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.

Most important symptoms and effects, both acute and delayed: Causes serious eye irritation. See Section 11 for more detailed information on health effects and symptoms.

Notes to physician: No special measures required. Treat symptomatically.

5. FIREFIGHTING MEASURES

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

Unsuitable extinguishing media: Do NOT use water jet.

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

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

Specific extinguishing methods: 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.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: 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.

Environmental precautions:
- Prevent further leakage or spillage if safe to do so.
- 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.
- 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.

7. HANDLING AND STORAGE

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

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.

Conditions for safe storage:
- 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.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Personal protective equipment
Respiratory protection : Respirator must be worn if exposed to dust.
  Filter type : dust-protection mask
Hand protection
  Wearing time : < 60 min
  Material : Polyvinyl chloride - PVC
  Material : Nitrile rubber - NBR
  Material : 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.
Eye protection : Safety glasses with side-shields
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.
Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

9. 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 / Upper flammability limit : No data available
Lower explosion limit : No data available
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
Molecular weight : No data available

10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
No hazards to be specially mentioned.

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

**Incompatible materials**: 
Oxidizing agents

**Hazardous decomposition products**: 
No decomposition if stored and applied as directed.

### 11. TOXICOLOGICAL INFORMATION

**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

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

13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : 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.
Disposing of as unused product.
Do not re-use empty containers.

14. TRANSPORT INFORMATION

International Regulations

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

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

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

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) : Not applicable
Schedules of Toxic Chemicals and Precursors

16. OTHER INFORMATION

Full text of other abbreviations

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
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