1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LEWATIT MonoPlus TP 260
Product code : 06275052

Manufacturer or supplier’s details
Supplier : LANXESS Pte. Ltd.
3A International Business Park
#07-10 ICON @ IBP Tower B
609935 Singapore, Singapore
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 2

GHS label elements
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.

Other hazards which do not result in classification
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Components

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

4. FIRST AID MEASURES

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

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 unconscious, place in recovery position and get medical attention immediately.
  Maintain open airway.
  Loosen tight clothing such as a collar, tie, belt or waistband.
  If symptoms persist, call a physician.

In case of skin contact
  If on skin, rinse well with water.
  Remove contaminated clothing and shoes.
  If symptoms persist, call a physician.

In case of eye contact
  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
  Keep eye wide open while rinsing.
  Continue to rinse for at least 10 minutes.
  Remove contact lenses.
  Protect unharmed eye.
  If eye irritation persists, consult a specialist.

If swallowed
  Rinse mouth with water.
  Give small amounts 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 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.
  Maintain open airway.
  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: Causes serious eye irritation.
5. FIREFIGHTING MEASURES

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

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

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. Do not breathe vapours/dust. Avoid dust formation. Provide adequate ventilation. In case of inadequate ventilation wear respiratory protection. Put on appropriate personal protection equipment.

Environmental precautions : Avoid dispersal of spilt 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. Pick up and arrange disposal without creating dust. Vacuum or sweep up material and place in a designated, labelled waste container. 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.

Conditions for safe storage:
Store in accordance with local regulations. Store in a segregated and approved area. 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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not allow to dry out. Electrical installations / working materials must comply with the technological safety standards. Take action to prevent static discharges.

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.

Engineering measures:
If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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

Hand protection:
Wearing time: < 60 min
Material: Polyvinyl chloride - PVC
Material: Nitrile rubber - NBR
Material : Polychloroprene - CR

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

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear 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, drink or smoke. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands and face before breaks and immediately after handling the product.

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
SAFETY DATA SHEET
LEWATIT MonoPlus TP 260

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 precautionary measures against static discharges.
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : No hazardous decomposition products are known.

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:
Adsorbed organic bound halogens (AOX) : Remarks: The product does not contain organically bounded halogens which could lead to an AOX value in waste water.

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 : The generation of waste should be avoided or minimised wherever possible.
Where possible recycling is preferred to disposal or incineration.
Wastedisposal should be in accordance with existing federal state, provincial and or local environmental controls
For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used.
Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose 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

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

Environmental Protection and Management Act and Environmental Protection and Management (Hazardous Substances) Regulations: Not applicable

Other international regulations

No data available

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.