SECTION 1. IDENTIFICATION

Product name: LEWATIT UltraPure 1297 MD
Material number: 57745650
Recommended use: Ion exchange, resins and catalysts

Manufacturer or supplier’s details
Supplier: LANXESS Corporation
Product Safety & Regulatory Affairs
111 RIDC Park West Drive
Pittsburgh PA 15275-1112
USA
Telephone: +1800LANXESS
+14128091000 (international)

Emergency telephone: CHEMTREC (800) 424 9300
International (703) 527 3887
Lanxess Emergency Phone (800) 410-3063

SECTION 2. HAZARDS IDENTIFICATION

Serious eye damage: Category 1

GHS label elements
Hazard pictograms: 

Signal Word: Danger
Hazard Statements: Causes serious eye damage.
Precautionary Statements: Prevention:
Wear eye protection/ face protection.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Hazard Not Otherwise Classified (HNOC)
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
SAFETY DATA SHEET
LEWATIT UltraPure 1297 MD

Substance / Mixture : Mixture

Hazardous ingredients

<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, chloromethylated, trimethylamine-quaternized, hydroxide</td>
<td>69011-18-3</td>
<td>&gt;= 30 - &lt; 50</td>
</tr>
<tr>
<td>Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated</td>
<td>69011-20-7</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.

In case of skin contact : Wash off with soap and plenty of water.
Get medical attention if symptoms occur.

In case of eye contact : Get medical attention immediately.
In case of contact, immediately flush eyes with plenty of water for at least 30 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Chemical burns must be treated promptly by a physician.

If swallowed : Rinse mouth with water.
Get medical attention if symptoms occur.
Do not induce vomiting unless directed to do by medical personnel.

Most important symptoms and effects, both acute and delayed

Symptoms : Eye: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.

Effects : Causes serious eye damage.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

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

Unsuitable extinguishing media : None known.
SAFETY DATA SHEET
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Specific hazards during fire fighting : none

Hazardous combustion products : Carbon dioxide (CO2)
Carbon monoxide
Nitrogen oxides (NOx)

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.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material. Put on appropriate personal protection equipment. Hazard of slipping on spilled product.

Environmental precautions : Prevent product from entering drains. 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. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of wastes in an approved waste disposal facility. Do not allow into the sewerage system, surface waters or groundwater or into the soil.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions for safe storage : 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. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Use appropriate container to avoid environmental contamination.

Recommended storage temperature: -4 - 104 °F (-20 - 40 °C)

Further information on storage stability: It is recommended to store ion exchange resins at temperatures above the freezing point of water. If the resin should become frozen, the resin should not be mechanically handled and should be left to thaw out gradually at ambient temperature. It must be completely thawed before handling or use. No attempt should be made to accelerate the thawing process.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment
Respiratory protection: Dust-protection mask if there is a risk of dust formation.

Hand protection
Material: Polyvinyl chloride - PVC
Wearing time: < 60 min

Material: Nitrile rubber - NBR
Wearing time: < 60 min

Eye protection: Tightly fitting safety goggles

Skin and body protection: Wear suitable protective clothing.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid

Color: dark brown, transparent
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Version: 1.1
Revision Date: 03/27/2019
SDS Number: 103000014941
Date of previous issue: 03/27/2019
Country / Language: US / EN

Odor: slight, amine-like
Odor 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
Burning number: 2 (68 °F (20 °C))
   Method: VDI 2263-1
   2 (212 °F (100 °C))
   Method: VDI 2263-1
Upper explosion limit / Upper flammability limit: No data available
Lower explosion limit: No data available
Vapor pressure: No data available
Relative vapor density: No data available
Relative density: No data available
Density: 1.13 kg/l (68 °F (20 °C))
Bulk density: 650 - 750 kg/m³
Solubility(ies)
   Water solubility: insoluble
Partition coefficient: n-octanol/water: No data available
Ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidizing properties: No data available
SECTION 10. STABILITY AND REACTIVITY

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

Chemical stability: The product is chemically stable.

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

Incompatible materials: Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

Hazardous decomposition products: No data available

SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

Acute toxicity: Not classified based on available information.

Product:

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Remarks: Test results on an analogous product

Components:

Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, chloromethylated, trimethylamine-quaternized, hydroxide:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg

Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation: Not classified based on available information.

Product:
Result: No skin irritation
Remarks: Test results on an analogous product

Components:

Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, chloromethylated, trimethylamine-quaternized, hydroxide:
Result: No skin irritation
Remarks: Test results on an analogous product
**SAFETY DATA SHEET**

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**LEWATIT UltraPure 1297 MD**

Version 1.1

Revision Date: 03/27/2019

SDS Number: 10300014941

Date of previous issue: 03/27/2019

Country / Language: US / EN

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**Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated:**

Result: No skin irritation

Remarks: Test results on an analogous product

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Result: Risk of serious damage to eyes.

Remarks: Test results on an analogous product

Remarks: May cause irreversible eye damage.

**Components:**

**Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, chloromethylated, trimethylamine-quaternized, hydroxide:**

Assessment: Risk of serious damage to eyes.

Remarks: Test results on an analogous product

**Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated:**

Assessment: Risk of serious damage to eyes.

Remarks: Test results on an analogous product

**Respiratory or skin sensitization**

**Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA’s list of regulated carcinogens.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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Print Date: 05/28/2020

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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

SECTION 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:
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.

SECTION 13. DISPOSAL CONSIDERATIONS

RCRA - Resource Conservation and Recovery Authorization Act:
If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Disposal methods:
The generation of waste should be avoided or minimized wherever possible. Dispose of wastes in an approved waste disposal facility.
This material and its container must be disposed of in a safe way. The product should not be allowed to enter drains, water courses or the soil. Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

SECTION 14. TRANSPORT INFORMATION

**Domestic regulation**

**DOT**
Not regulated as a dangerous good

**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.

SECTION 15. REGULATORY INFORMATION

**CERCLA**
None

**Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**
This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards**: Serious eye damage or eye irritation

**SARA 313**
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**Massachusetts Right To Know**
No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

Water 7732-18-5 > 1
Benzene, diethenyl-, polymer with ethenylbenzene 69011-18-3 >= 30 - < 50
and ethenylethylbenzene, chloromethylated, trimethylamine-quaternized, hydroxide

Print Date: 05/28/2020
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated

69011-20-7

>= 10 - < 20

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

TSCA inventory
TSCA: On TSCA Inventory

TSCA list
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA:

HMIS® IV:

FLAMMABILITY

PHYSICAL HAZARD

Health

0 3

Flammability

Special hazard.

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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

Revision Date: 03/27/2019

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. We assume no legal responsibility for use of or reliance upon the information in this SDS.