SAFETY DATA SHEET
LEWATIT UltraPure 1297 MD

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

Manufacturer or supplier’s details
Supplier : Lanxess, S.A. de C.V.
Ejército Nacional No. 579 piso 3
Col. Granada
CP 11520
Mexico
Telephone : +525552624300
Emergency telephone : SETIQ 800-00-214-00, 55-59-15-88
24 horas (Transporte); 55 52-62-43-00
Lunes a Viernes de 8:00 a 17:00 hrs

SECTION 2. HAZARDS IDENTIFICATION

This product has been classified according to the Global Harmonized System of the United Nations (Purple Book Rev. 5) and in accordance with the NOM-018-STPS-2015.

Serious eye damage : Category 1

GHS label elements
Hazard pictograms : ![Hazard Pictogram]
Signal Word : Danger
Hazard Statements : H318 Causes serious eye damage.
Precautionary Statements : Prevention:
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 + P310 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 or doctor/ physician.

Hazard Not Otherwise Classified (HNOC)
None known.
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.

Specific hazards during firefighting : none

Hazardous combustion prod- : Carbon dioxide (CO2)
**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.

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**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**
- -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
Odor: slight, amine-like
Odor Threshold: No data available
pH: 7
Concentration: 10 %
Melting point/freezing point: No data available
LEWATIT UltraPure 1297 MD

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 (20 °C)
    Method: VDI 2263-1
    2 (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 (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
Molecular weight : 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

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.

**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:
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.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from residues: 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

NOM-002-SCT
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.
Hazard Statements:
- Not dangerous cargo
- Risk of serious damage to eyes
- Keep separated from foodstuffs

SECTION 15. REGULATORY INFORMATION

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

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

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.