1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LEWATIT MDS TP 208
Product code : 56814470
Other names : None

Relevant identified uses of the substance or mixture and uses advised against
Recommended use : Ion exchange, resins and catalysts

Manufacturer or supplier’s details
Supplier : 朗盛化學(中國)有限公司
          中國上海市黃浦區湖濱路 150 號企業天地 5 號樓 6 樓 200021,
          People's Republic of China
Telephone : +862161096666
Emergency telephone number : +86 532 83889090

Supplier : LANXESS Chemical (China) Co., Ltd.
          6 F, 5 Corporate Avenue, No. 150, Hubin Road
          Huangpu District, Shanghai, 200021, People's Republic of China
Telephone : +862161096666
Emergency telephone : +86 532 83889090

2. HAZARDS IDENTIFICATION

GHS Classification
Not a hazardous substance or mixture.

GHS label elements
Not a hazardous substance or mixture.

Other hazards which do not result in classification
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : styrene-divinylbenzene-copolymer with iminodiacetic acid
groups in form of salt

Hazardous components
No hazardous ingredients

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.

First aid measures for different exposure routes:
If inhaled:
- Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Keep respiratory tract clear.
- If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Maintain open airway.
- Loosen tight clothing such as a collar, tie, belt or waistband.
- Get medical attention if symptoms occur.

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

In case of eye contact:
- Get medical attention if symptoms appear.

If swallowed:
- Rinse mouth with water.
- Give small amounts of water to drink.
- Get medical attention if symptoms occur.
- Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:
- No symptoms known or expected.

Protection of first-aiders:
- No action shall be taken involving any personal risk or without suitable training.

Notes to physician:
- No special measures required.

5. FIREFIGHTING MEASURES

Suitable extinguishing media:
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- In case of fire, use water spray (fog), foam or dry chemical.

Unsuitable extinguishing media:
- None known.

Specific hazards during firefighting:
- None

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

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. Do not touch or walk through spilt material. Put on appropriate personal protection equipment. Hazard of slipping on spilt product.

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. Vacuum or sweep up material and place in a designated, labelled 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.

7. HANDLING AND STORAGE

Handling
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.

Storage
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. Keep containers sealed until ready for use. Do not store in unlabelled containers.

Take action to prevent static discharges. Do not allow to dry.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components 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: In the case of dust or aerosol formation use respirator with an approved filter.
Filter type: P1 filter

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

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

Eye protection: Safety glasses with side-shields

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: beads
Colour: beige, opaque
Odour: odourless
Odour Threshold: No data available
pH: No data available
Melting point/range: > 200 °C
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 : 1.17
Density : 1.16 g/cm³ (20 °C)
Bulk density : 700 - 780 kg/m³
Solubility(ies)
   Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Ignition temperature : > 300 °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 specific test data related to reactivity available for this product or its ingredients.
Chemical stability : The product is chemically stable.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. Auto-flammability
Conditions to avoid : No specific data.
Incompatible materials : Oxidizing agents
Hazardous decomposition products : No decomposition if stored normally.
11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure : No symptoms known or expected.

**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

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

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

**Serious eye damage/eye irritation**
Not classified based on available information.

**Product:**
Result: No eye irritation
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.

**Chronic toxicity**

**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: According to our experience and information the product has no harmful effects on health if properly handled.

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 : No known significant effects or critical hazards.

The product is insoluble in water. Therefore, ecological tests have not been conducted.

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.
Where large quantities are concerned, consult the supplier.
When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues.
For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used.
Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC

Contaminated packaging : Empty containers retain residue and can be dangerous.
Dispose of as unused product.
Do not re-use empty containers.
14. TRANSPORT INFORMATION

Special precautions for user
Remarks : If packagings larger than 3 m³: dangerous good of division 4.2.

International Regulations
IATA-DGR
Not regulated as a dangerous good
IATA (Cargo)
Further information for transport : If packagings larger than 3 m³: dangerous good of division 4.2.
IATA (Passenger)
Further information for transport : If packagings larger than 3 m³: dangerous good of division 4.2.

IMDG-Code
Not regulated as a dangerous good
Further information for transport : If packagings larger than 3 m³: dangerous good of division 4.2.

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.
Avoid temperatures below -20 °C.
Avoid heat above +40 °C.
Keep separated from foodstuffs.

15. REGULATORY INFORMATION

National regulatory information

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

Taiwan, Categories and Regulations Governing Inspection and Declaration of Industrial Precursor Chemicals : Neither banned nor restricted
Further information : 1. Labor Safety and Health Act
2. Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials
3. Rules of Road Traffic Safety
4. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste
5. Waste Disposal Act
6. Toxic Chemical Substances Control Act
7. Rules for Labor Safety and Health Installations
8. Criterion for Preventing the Hazard of Specific Chemical
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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