SECTION 1: Identification of the hazardous chemical and of the supplier

Product identifier
Product name : LEWATIT MDS TP 208
Product code : 56814470

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 : 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

SECTION 2: Hazards identification

Classification of the hazardous chemical
Not a hazardous substance or mixture.

Label elements
Not a hazardous substance or mixture.

Other hazards which do not result in classification
None known.

SECTION 3: Composition and information of the ingredients of the hazardous chemical

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

Hazardous components
No hazardous ingredients

SECTION 4: First aid measures

If inhaled : If breathed in, move person into fresh air.
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. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes.

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.

Notes to physician: Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media
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.

Physicochemical hazards arising from the chemical
Specific hazards during firefighting: none
Hazardous combustion products: Carbon monoxide
Carbon dioxide (CO2)
Nitrogen oxides (NOx)
Metal oxides

Special protective equipment and precautions for fire-fighters
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.
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.

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 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.

SECTION 7: Handling and storage

Handling

Precautions for 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, including any incompatibilities: 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.

Recommended storage temperature: -20 - 40 °C
SECTION 8: Exposure controls and personal protection

Control parameters
Contains no substances with occupational exposure limit values.

Appropriate engineering controls
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures, such as personal protective equipment
Eye/face protection: Safety glasses with side-shields
Skin protection: Wear suitable protective clothing.

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

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

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

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

SECTION 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: The product is self-ignitable. As long as the packaging size does not exceed 3 m³, the product is not subject to Transport Class 4.2.
Contact with strong oxidising agents may cause hazardous reactions.

Incompatible materials: Oxidizing agents

Hazardous decomposition products: No decomposition if stored normally.

SECTION 11: Toxicological information

Information on likely routes of exposure: None known.

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.

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.

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 : No known significant effects or critical hazards.

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

SECTION 13: Disposal information

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
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.
SECTION 14: Transport information

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.

SECTION 15: Regulatory information

Safety, health, and environmental regulations specific for the hazardous chemical

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

SECTION 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.