SECTION 1: Identification of the substance/mixture and of the company/undertaking

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

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Use of the Substance/Mixture : Ion exchange, resins and catalysts

1.3 Details of the supplier of the safety data sheet
   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

1.4 Emergency telephone number
   +44 0870 190 6777. National Chemical Emergency Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification (REGULATION (EC) No 1272/2008)
   || Not a hazardous substance or mixture.

2.2 Label elements
   Labelling (REGULATION (EC) No 1272/2008)
   || Not a hazardous substance or mixture.

2.3 Other hazards
   This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
   Chemical nature : styrene-divinylbenzene-copolymer with iminodiacetic acid groups in form of salt
Hazardous components
Remarks : No hazardous ingredients

SECTION 4: First aid measures

4.1 Description of 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.

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

4.3 Indication of any immediate medical attention and special treatment needed
Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 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.

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting : none
5.3 Advice for firefighters

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.

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: 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.

6.2 Environmental precautions

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.

6.3 Methods and material for containment and cleaning up

Methods for 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.

6.4 Reference to other sections

For personal protection see section 8. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe 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.

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.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers: 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

7.3 Specific end use(s)
Specific use(s): No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures
This information is not available.

Personal protective equipment
Eye protection: Safety glasses with side-shields

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

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

Skin and body protection: Wear suitable protective clothing.
Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter.

Filter type: P1 filter

SECTION 9: Physical and chemical properties

9.1 Information on basic 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: 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
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according to Regulation (EC) No. 1907/2006

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Country / Language: IE / EN(GB)

Decomposition temperature : No data available
Viscosity : No data available
Explosive properties : No data available
Oxidizing properties : No data available

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability
The product is chemically stable.

10.3 Possibility of hazardous reactions
Hazardous reactions : No dangerous reaction known under conditions of normal use.
Auto-flammability

10.4 Conditions to avoid
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.

10.5 Incompatible materials
Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products
Hazardous decomposition products : No decomposition if stored normally.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

12.1 Toxicity
No data available
12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment

Product:
Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 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 considerations

13.1 Waste treatment methods
Product: 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

14.1 UN number
Not regulated as a dangerous good
14.2 UN proper shipping name
Not regulated as a dangerous good

14.3 Transport hazard class(es)
Not regulated as a dangerous good

14.4 Packing group
Not regulated as a dangerous good

14.5 Environmental hazards
Not regulated as a dangerous good

14.6 Special precautions for user / Additional advice

ADN
Further information for transport
: If packagings larger than 3 m³: dangerous good of division 4.2.

ADR
Further information for transport
: If packagings larger than 3 m³: dangerous good of division 4.2.

RID
Further information for transport
: If packagings larger than 3 m³: dangerous good of division 4.2.

IMDG
Further information for transport
: If packagings larger than 3 m³: dangerous good of division 4.2.

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.

Hazard statements
: Not dangerous cargo.
Avoid temperatures below -20 °C.
Avoid heat above +40 °C.
Keep separated from foodstuffs.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable for product as supplied.

SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) : Not applicable
Schedules of Toxic Chemicals and Precursors
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

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**REACH** - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)
: Not applicable

**REACH** - Candidate List of Substances of Very High Concern for Authorisation (Article 59).
: Not applicable

**REACH** - List of substances subject to authorisation (Annex XIV)
: Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer
: Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants
: Not applicable

Not applicable

**15.2 Chemical safety assessment**
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

**Further information**
The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet and its Annex [if required according to Regulation (EC) 1907/2006 (REACH)] is to describe the products in terms of their safety requirements. The given details do not imply any guarantee concerning the composition, properties or performance.