

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
Country / Language: IE | GB-NIR / 6N (EN)

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

#### 1.1 Product identifier

Trade name : LEWATIT MonoPlus S 108  
Product code : 000000000056698357

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Ion exchange, resins and catalysts

#### 1.3 Details of the supplier of the safety data sheet

Company : LANXESS Deutschland GmbH  
Production, Technology,  
Safety & Environment  
51369 Leverkusen, Germany

Responsible Department : +49 221 8885 2288  
infosds@lanxess.com

#### 1.4 Emergency telephone number

Emergency telephone number : NPIC: + 353 (1) 809 2166 (08:00 a.m. to 10:00 p.m.)  
For 24/7 multilingual emergency please call  
CHEMTREC EMEA: +44 20 3885 0382 and mention CCN  
1001748.

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### 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
Country / Language: IE | GB-NIR / 6N (EN)

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : styrene-divinylbenzene-copolymer with sulphonic acid groups in sodium form

#### Components

Remarks : No hazardous ingredients

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

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

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.  
Never give anything by mouth to an unconscious person.  
Get medical attention if symptoms appear.

#### 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 : No special measures required.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

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

Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : none

Hazardous combustion products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Metal oxides

#### 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.

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### 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.  
Do not allow into the sewerage system, surface waters or

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
Country / Language: IE | GB-NIR / 6N (EN)

groundwater or into the soil.  
Dispose of wastes in an approved waste disposal facility.

### 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 : 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. Appropriate techniques should be used to remove potentially contaminated clothing.

### 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.

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
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---

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

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance : beads

Physical state : solid

Colour : black to brown

Odour : odourless

Odour Threshold : No data available

Melting point/range : No data available

Boiling point/boiling range : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : No data available

Decomposition temperature : No data available

pH : 6 - 9.5  
Concentration: 10 %

Viscosity  
Viscosity, dynamic : No data available  
Viscosity, kinematic : No data available

Solubility(ies)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
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Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : No data available

Relative density : No data available

Density : 1.3 g/cm<sup>3</sup> (20 °C)

Bulk density : 800 - 850 kg/m<sup>3</sup>

### 9.2 Other information

Explosives : No data available

Oxidizing properties : No data available

Flammable solids  
Burning number : 1 (20 °C)

Self-ignition : > 500 °C  
Auto-ignition temperature

Evaporation rate : No data available

Miscibility with water : No data available

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## 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.

### 10.4 Conditions to avoid

Conditions to avoid : Take measures to prevent the build up of electrostatic charge.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
Country / Language: IE | GB-NIR / 6N (EN)

Hazardous decomposition products : No decomposition if stored normally.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure : Eye contact  
Skin contact

##### 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
Country / Language: IE | GB-NIR / 6N (EN)

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 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 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
Country / Language: IE | GB-NIR / 6N (EN)

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

#### 13.1 Waste treatment methods

Product : 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.  
Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC

For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used.

### SECTION 14: Transport information

#### 14.1 UN number or ID 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

Hazard and Handling Notes. : Not dangerous cargo.  
Keep separated from foodstuffs.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LEWATIT MonoPlus S 108

Version 1.2      Revision Date: 15.12.2022      SDS Number: 203000012930      Date of last issue: 01.12.2022  
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### SECTION 15: Regulatory information

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

- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable
- International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable
- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
- Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
- Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable
- Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors. : Neither banned nor restricted
- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

#### 15.2 Chemical safety assessment

not applicable

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### SECTION 16: Other information

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-

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1.2	15.12.2022	203000012930	Country / Language: IE   GB-NIR / 6N (EN)

tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. 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 to be a guidance for processing and does not contain any 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. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.