

## SPECTRUM SRSO Softening Resin

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

- 1.1 Product Identifier:** SRSO-RESIN-25L
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
No further relevant information available.  
**Application of the substance/the preparation:**  
Water treatment
- 1.3 Details of the supplier of the safety data sheet**  
Brand name: Spectrum (Company no. 01595206)  
20/20 Business Park  
Maidstone  
Kent  
ME16 0LS  
United Kingdom  
  
T: +44 (0)1622 691886  
F: +44 (0)1622 621932
- 1.4 Emergency Contact Details**  
Suzanne Warren T: + 44 (0)7970 633392

### Section 2: Hazards identification

- 2.1 Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008:**  
The substance is not classified according to the CLP regulation
- 2.2 Label elements**  
**Labelling according to Regulation (EC) No 1272/2008**  
Void  
**Hazard pictograms**  
Void  
**Signal word**  
Void  
**Hazard statements**  
Void
- 2.3 Other hazards**  
**Results of PBT and vPvB assessment:**  
**PBT:** Not applicable.  
**vPvB:** Not applicable.

## Section 3: Composition/information on ingredients

### 3.1 Chemical characterization: Substances

**CAS No. Designation:**

69011-22-9 benzene, diethenyl- polymer with ethenylbenzene and ethenylethylbenzene, sulfonated, sodium salts

**Identification number(s): EC number:**

not listed

## Section 4: First aid measures

### 4.1 Description of first aid measures

**General information:** Instantly remove any clothing soiled by the product.

**After inhalation:** Supply fresh air; consult doctor in case of symptoms.

**After skin contact:** The product is not skin irritating.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Rinse out mouth and then drink plenty of water. Seek medical treatment.

### 4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:**

Water spray, foam, carbon dioxide, dry extinguishing agents.

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

No further information available.

### 5.3 Advice for firefighters:

**Protective equipment:** Wear self-contained breathing apparatus.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Not required.

### 6.2 Environmental precautions:

No special measures required.

**6.3 Methods and material for containment and cleaning up:**  
Collect mechanically.  
Dispose of contaminated material as waste according to chapter 13.

**6.4 Reference to other sections:**  
No dangerous materials released  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## Section 7: Handling and storage

**7.1 Precautions for safe handling:**  
No special measures required.  
**Information about protection against explosions and fires:**  
The product is combustible.

**7.2 Conditions for safe storage, including any incompatibilities**  
**Storage**  
**Requirements to be met by storerooms and containers:** Store only in the original container.  
**Information about storage in one common storage facility:** Not required  
**Further information about storage conditions:** Protect from frost  
**Recommended storage temperature:** -10-+40 °C  
**Storage class:** 13

**7.3 Specific end use(s):**  
No further relevant information available.

## Section 8: Exposure controls/personal protection

**Additional information about design of technical systems:**  
No further data; see chapter 7.

**8.1 Control parameters**  
**Components with critical values that require monitoring at the workplace:**  
Not required  
**Additional information:**  
The lists that were valid during the compilation were used as basis.

**8.2 Exposure controls**  
**Personal protective equipment**  
**General protective and hygienic measures:**  
The usual precautionary measures should be adhered to in handling the chemicals.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
**Breathing equipment:**  
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed safety glasses (EN 166)

**Body protection:** Protective work clothing (DIN EN 13034)

## Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
<b>General Information</b>	
<b>Form</b>	Solid
<b>Colour</b>	Amber coloured
<b>Smell</b>	Odourless
<b>Odour threshold</b>	Not determined
<b>pH-value (100 g/l) at 20°C</b>	7
<b>Change in condition</b>	
<b>Melting point/Melting range</b>	Not determined
<b>Boiling point/Boiling range</b>	Not determined
<b>Flash point</b>	Not applicable
<b>Inflammability (solid, gaseous)</b>	Not determined
<b>Ignition temperature</b>	>250°C
<b>Decomposition temperature</b>	Not determined
<b>Self-inflammability</b>	Not determined
<b>Danger of explosion</b>	Product is not explosive
<b>Critical values for explosion</b>	
<b>Lower</b>	Not determined
<b>Upper</b>	Not determined
<b>Vapour pressure</b>	Not applicable
<b>Density</b>	Not determined
<b>Settled apparent density at 20C</b>	770+/-40 kg/m <sup>3</sup>
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Solubility in/Miscibility with</b>	
<b>Water</b>	Unsoluble
<b>Partition coefficient (n-octanol/water)</b>	Not determined
<b>Viscosity</b>	
<b>Dynamic</b>	Not applicable

<b>Kinematic</b>	Not applicable
<b>Solids content</b>	100.0%
<b>9.2 Other information</b>	No further relevant information available

## Section 10: Stability and reactivity

### 10.1 Reactivity:

No further relevant information available.

### 10.2 Chemical stability:

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions:

No dangerous reactions known.

### 10.4 Conditions to avoid:

No further relevant information available.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

No dangerous decomposition products known.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

#### LD/LC50 values that are relevant for classification:

**69011-22-9 benzene, diethenyl- polymer with ethenylbenzene and ethenylethylbenzene, sulfonated, sodium salts**

Oral LD50 >2000 mg/kg (rat)

#### Primary irritant effect

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

**CMR Effects:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

No further relevant information available.

**12.2 Persistence and degradability:**  
No further relevant information available.

**12.3 Bioaccumulative potential:**  
No further relevant information available.

**12.4 Mobility in soil:**  
No further relevant information available.

**Additional ecological information**

**General notes:**  
not hazardous for water

**12.5 Results of PBT and vPvB assessment:**  
**PBT:** Not applicable.  
**vPvB:** Not applicable.

**12.6 Other adverse effects:**  
No further relevant information available.

## Section 13: Disposal Considerations

**13.1 Waste treatment methods recommendation:**  
Contact manufacturer for recycling information.  
Waste material must be disposed of in accordance with Directive on waste 2008/98/EC as well as national and local regulations.

**European waste catalogue:**

19 00 00 – Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use.

19 08 00 – Wastes from waste water treatment plants not otherwise specified.

19 08 06 – Saturated or spent ion exchange resins.

**Uncleaned packagings**

**Recommendation:**  
Disposal must be made according to official regulations.

## Section 14: Transport Information

<b>14.1 UN-Number ADR, ADN, IMDG, IATA</b>	Void
<b>14.2 UN proper shipping name ADR, ADN, IMDG, IATA</b>	Void
<b>14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA</b> <b>Class</b>	Void
<b>14.4 Packing group ADR, IMDG, IATA</b>	Void
<b>14.5 Environmental hazards: Marine pollutant:</b>	No

<b>14.6 Special precautions for user</b>	Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable
<b>Transport/Additional information:</b>	Not dangerous according to the above regulations
<b>UN "Model Regulation":</b>	Void

## Section 15: Regulatory Information

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

**Directive 2012/18/EU**

**Named dangerous substances – ANNEX 1** Substance is not listed

**National regulations**

**Water hazard class:** not hazardous for water.

### 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

## Section 16: Other Information

**16.1** These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing data specification sheet:** Product safety department

**Abbreviations and acronyms:**

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative

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