

SPECTRUM MB500IND

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

- 1.1 Product Identifier:** SPECTRUM MB500IN
UFI: QV00-00J9-1000-FX1V
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Recommended restrictions on use: For industrial use only.
- 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
Eye Dam. 1 H319 Causes serious eye irritation.
- 2.2 Label elements:**
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

Hazard pictograms



Signal word Warning

Hazard statements:

H319 Causes serious eye irritation.

Safety Data Sheet

Precautionary statements:

P280e Wear protective gloves/protective clothing/eye protection/face protection.

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: Mixtures

Description: Mixture of the following components with non-hazardous substances.

Dangerous Components:		
CAS: 69011-18-3 EC number: Polymer	styrene-divinylbenzene-copolymer with trialkyl ammonium groups in OH- form  Eye Dam. 2, H319	30%-50%
CAS: 69011-20-7 EC number: Polymer	styrene-divinylbenzene-copolymer with sulfonated groups in H+form  Eye Dam. 2, H319	30%-50%

Section 4: First aid measures

4.1 Description of first aid measures:

General information

Instantly remove any clothing soiled by the product.

People who have inhaled the product or the brand developed fumes or have come into contact with the product may not show immediate symptoms.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Position and transport in a stable posture on side.

After inhalation: Get medical attention if symptoms occur.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for at least 15 minutes under running Water. Get medical attention.
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:

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media: Suitable extinguishing agents:

Use extinguishing measure that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture, can be released in case of fire:

Specific hazards during firefighting: Not flammable or combustible.

Hazardous combustion products: Depending on combustion properties, decomposition products may include following materials:
Carbon oxides
Sulphur oxides

5.3 Advice for firefighters: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Protective equipment: Use personal protective equipment.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Ensure clean-up is conducted by trained personnel only. Refer to protective Measures listed in sections 7 and 8.

Advice for emergency responders: If specialized clothing is required to deal with spillage, take note of any information in Section 8 on suitable and unsuitable materials.

6.2 Environmental precautions:

Do not allow contact with soil, surface, or ground water.

6.3 Methods and material for containment and cleaning up:

Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections:

See Section 1 for emergency contact information.

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:

Advice on safe handling:

Avoid contact with skin and eyes. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full personal protective equipment (PPE).

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands, and any exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and containers:

Protect from frost, heat, and sunlight. Store at room temperature in the original container. Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers.

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 available.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls:

Engineering measures:

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

8.3 Individual protection measures:

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands, and any exposed skin thoroughly after handling.

Eye/face protection (EN 166):

Safety glasses with side-shields.

Hand protection (EN 374):

No special protective equipment required.

Skin and body protection (EN 14605):

No special protective equipment required.

Respiratory protection (EN 143, 4387):

When respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization, consider the use of certified respiratory protection equipment, meeting EU requirements: (89/656/EEC, (EU) 2016/425), or equivalent, with filter type.

Environmental exposure controls:

Consider the provision of containment around storage vessels.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Form	Solid Beads
Colour	Gold, amber, light brown, dark brown, black, purple, blue, green
Smell	Odourless
Odour threshold	Not determined
pH-value (100 g/l) at 20°C	Not applicable – substance/mixture is non-soluble (in water)
Change in condition	
Melting point/Melting range	Not determined
Boiling point/Boiling range	Not determined
Flash point	Not applicable
Inflammability (solid, gaseous)	Not determined
Ignition temperature	Not determined
Decomposition temperature	Not determined
Self-inflammability	Product is not self-igniting
Explosive properties	Not applicable
Critical values for explosion	
Lower	Not determined
Upper	Not determined
Vapour pressure	Not applicable
Relative density	1.02 -1.28
Vapour density	Not applicable
Evaporation rate	Not applicable
Solubility in/Miscibility with:	
Water	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity:	
Dynamic	Not applicable
Kinematic	Not applicable

9.2 Other information

No further relevant information available

Section 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

In the event of fire, see Section 5.

Section 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure:

Based on available data, the classification criteria are not met.

Product

Acute oral toxicity:

No data available for this product.

Acute inhalation toxicity:

No data available for this product.

Skin corrosion/irritation:

No data available for this product.

Serious eye damage/eye irritation:

No data available for this product.

Respiratory or skin sensitization:

No data available for this product.

Carcinogenicity:

No data available for this product.

Reproductive effects:

No data available for this product.

Germ cell mutagenicity:

No data available for this product.

Teratogenicity:

No data available for this product.

STOT – single exposure:

No data available for this product.

STOT – repeated exposure:

No data available for this product.

Aspiration toxicity:

No data available for this product.

Components:

Acute oral toxicity:

Benzene, diethenyl-, polymer with ethynylbenzene and ethenylethylbenzene, sulphonated LD50 : > 5,000 mg/kg

Potential Health Effects:

Eyes:

Causes serious eye irritation.

Skin:

Health injuries are not known or expected under normal use.

Ingestion:

Health injuries are not known or expected under normal use.

Inhalation:

Health injuries are not known or expected under normal use.

Chronic Exposure:

Health injuries are not known or expected under normal use.

Experience with human exposure:

Eye contact:

Redness, pain, irritation.

Skin contact:

No symptoms known or expected.

Inhalation:

No symptoms known or expected.

Section 12: Ecological information

12.1 Toxicity**Environmental Effects:**

This product has no known ecotoxicological effects.

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.

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

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

13.1 Waste treatment methods recommendation:

Product:

Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of contents/container in accordance with local regulations. Dispose of wastes in an approved waste disposal facility.

Contaminated Packaging:

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Guidance for Waste Code Selection:

Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European waste Catalogue Code. It is the responsibility of the waster generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local regulations.

Section 14: Transport Information

14.1 UN-Number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information:	Not dangerous goods according to the official regulations
UN "Model Regulation":	Void

Section 15: Regulatory Information

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

Directive 2012/18/EU – Not applicable.

Named dangerous substances – **ANNEX 1** None of the ingredients is listed.

Candidate list of substances of very high concern for authorization – Not applicable.

National regulations:

The Chemicals (Hazard information and packaging for supply) regulations

The Control of Substances Hazardous to Health Regulations.

Health and Safety at Work Act.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

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.

Relevant phrases:

H319 Causes serious eye irritation.

Department issuing data specification sheet:

Product safety department

Abbreviations and acronyms:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service
VOC:	Volatile Organic Compounds (USA,EU)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Eye Dam. 2:	Serious eye damage/eye irritation – category 2
SVHC:	Substance of Very High Concern
REACH:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals

