

SPECTRUM EWS Systems & OSP Cartridge Sets

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

1.1 Product Identifier:

SPECTRUM EWS Systems & OSP Cartridge Sets

- EWS-10K
- EWS-21K
- EWS-4K
- OSP-10JR
- OSP-10SR+
- OSP-20JR+

UFI: 3710-109V-8000-3A4A

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

Application of the substance / the preparation: Water treatment

1.3 Details of the supplier of the safety data sheet:

Brand name: Spectrum
20/20 Business Park
Maidstone
Kent
ME16 0LS
United Kingdom

Brand name: Spectrum
ul. Maratońska 104a
94-102
Łódź
Poland

T: 0800 368 9302

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1.4 UK Emergency Contact Details:

NHS Direct: 111
NHS24: 0845 242424
ROI: 01809 2166 (office hours only)

EU Emergency Contact Details:

Austria: +43 1 406 43 43
Belgium: +32 (0) 70 245 245
Cyprus: 1401
Czech Republic: +420 224 919 293 or +420 224 915 402
Denmark: +45 8212 1212
Estonia: 16662
Finland: 09-471 977 or 09 4711
France: +33 (0)1 45 42 59 59
Greece: +30 210 77 93 777
Croatia: +385-01-23-48-342
Hungary: +36 80 201 199
Ireland: +353 (0)1 809 2166
Italy: 06 68593726 or 06 3054343
Latvia: 112 or +371 67042473
Lithuania: 112 or +370(5) 2362052 or +370 687 53378
Luxembourg: (+352) 8002 5500
The Netherlands: +31 (0)88 755 8000 (for healthcare professionals only)
Poland: +40213183606
Portugal: +351 800 250 250
Romania: +40213183606
Slovakia: 00421 (0) 2 5477 4166
Spain: +34 91 562 04 20
Switzerland: 145
Turkey: 114

Section 2: Hazards identification

2.1 Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008
Acute Toxicity Category 5

2.2 Label elements:
Labelling according to Regulation (EC) No 1272/2008
Void.

Hazard pictograms
Void.

Signal word
Void.

Hazard statements:
May be harmful in contact with skin.
May be harmful if swallowed.

2.3 Other hazards:
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

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Section 3: Composition/information on ingredients

3.1 Chemical characterization: Mixtures

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

Dangerous Components:		
CAS: 9065-11-6 EC number: Polymer	Modified Acrylic Polymer	50-60%
CAS: 7440-70-2 EC number: 231-179-5	Calcium	10%

Non-dangerous Components:		
CAS: 7732-18-5 EINECS: 231-791-2	water	30-40%

Section 4: First aid measures

4.1 Description of first aid measures:

General information

Instantly remove any clothing soiled by the product.

After inhalation: Remove to fresh air and seek medical attention if adverse effects are observed.

After skin contact: Instantly wash with water and soap and rinse thoroughly. Seek medical attention if skin irritation occurs.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing: Never give anything by mouth to an unconscious person, do not induce vomiting. Loosen tight clothing such as a collar, tie, belt, or wristband. If the victim is not breathing, perform cardiopulmonary resuscitation. Seek medical treatment.

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

May cause mild skin irritation. Swallowing may cause gastrointestinal distress. Seek medical attention.

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

Persistent eye or skin irritation, ingestion gastrointestinal or respiratory distress. Seek medical attention.

Section 5: Firefighting measures

5.1 Extinguishing media: Suitable extinguishing agents:

Product will not burn until all water is evaporated. Use fire-fighting techniques suitable to surrounding fire.

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

Material will not burn until water has been evaporated. This material does not pose a fire or explosion hazard.

5.3 Advice for firefighters:

Do not enter confined fire space without full equipment and a positive pressure self-contained breathing apparatus. Structural firefighter's protective clothing will only provide limited protection.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with sand, dirt, or another non-combustible material.

6.4 Reference to other sections:

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.

Keep away from combustible materials, open flames and all sources of heat.

7.2 Conditions for safe storage, including any incompatibilities:

Use good safety and industrial hygiene practices. Avoid repeated freezing and thawing cycles to prevent fracturing. If frozen, thaw at room temperature.

Storage

Requirements to be met by storerooms and containers:

Store only in the original container.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed 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.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the work place.

8.2 Appropriate Engineering Controls

None listed.

8.3 Individual Protection Measures:

General protective and hygienic measures:

In case of handling the product, careful hygienic measures are recommended.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of work.

Do not eat, drink or smoke while working.

Avoid contact with the eyes.

Breathing equipment:

Respiratory protection is not normally needed. Maintain good ventilation/airflow.
Use a respirator in areas where the exposure is unknown.

Protection of hands:

Under normal use, gloves are not required.

Eye protection:

Under normal use, eye protection is not required.

Body protection

Under normal use, personal protective equipment is not required.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Form	Solid - Beads
Colour	Pale Yellow
Odour	None
Odour threshold	Not determined
pH-value (100 g/l) at 20°C	6.5 – 8.5
Change in condition	
Melting point/Melting range	Not determined
Boiling point/Boiling range	Not determined
Flash point	Not applicable
Evaporation rate	Not applicable
Inflammability (solid, gaseous)	Not determined
Lower	Not determined
Upper	Not determined
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	Not determined
Critical values for explosion	

Self-inflammability	Product is not self-igniting
Explosive properties	Product is not explosive
Solubility in/Miscibility with:	
Water	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Auto-Ignition temperature	Not determined
Decomposition temperature	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

This product shows no reactivity under the specified conditions of storage, shipment and use.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

This substance is stable under the recommended handling and storage conditions in section 7.

10.3 Possibility of hazardous reactions:

Will not occur under normal conditions.

10.4 Conditions to avoid:

Avoid contact with strong oxidizing agents, particularly concentrated nitric acid.

10.5 Incompatible materials:

Strong oxidizers.

10.6 Hazardous decomposition products:

None known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

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

LD/LC50 values that are relevant for classification:

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

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 (carcinogenicity, mutagenicity and toxicity for reproduction):

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 2008/98/EC as well as national and local regulations.

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.

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:	No
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

Named dangerous substances – ANNEX 1 None of the ingredients is 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

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
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

Safety Data Sheet



Owner: Business Services (EH)
Date: 03/2026
Version: V2