Safety Data Sheet

SPECTRUM SRCA

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

1.1 **Product Identifier:** SRCA-10LD, SRCA-20LD
UFI: K410-H0MF-X00G-EYJ8

1.2 **Relevant identified uses of the substance or mixture and uses advised against:**
Ground Limestone (calcium carbonate) based additives
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

T: 0800 368 9302

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

T: 0800 368 9302

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

GHS Classification:

Acute toxicity (inhalation, dust, mist) category 4

2.2 Label elements

Hazard pictogram:

Signal word:

Warning

Hazard statement:

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust.

P312 Call a POISON CENTER, doctor if you feel unwell.

2.3 Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Long term exposure to crystalline silica can cause lung injury (silicosis). IARC have determined that crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.

Section 3: Composition/information on ingredients

3.1 Chemical characterization: Mixtures

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

Dangerous Components:		
CAS: : 471-34-1 EC number: 207-439-9	Calcium Carbonate	>99%
CAS: 14808-60-7 EC number: 238-878-4	Quartz	>0.5%

Non-dangerous Components:		
CAS: 7732-18-5 EINECS: 231-791-2	water	>0.5%

Section 4: First aid measures

4.1 Description of first aid measures

Call a poison center or a doctor if you feel unwell.

General information

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: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

After skin contact: Wash skin thoroughly with soap and water.

After eye contact: Rinse eyes with water as a precaution.

After swallowing: Call a poison center or a doctor if you feel unwell.

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, dry powder, foam.

5.2 Special hazards arising from the substance or mixture:

Toxic fumes may be released.

5.3 Advice for firefighters:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2 Environmental precautions:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8.

6.3 Methods and material for containment and cleaning up:
Mechanically recover the product.
Dispose of materials or solid residues at an authorized site.

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:
Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.
Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities:

Storage:

Store in a cool and well-ventilated place. Keep cool.

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:
No additional information available.

DNEL and PNEC
(Workers) Long-term local effects, inhalation: 6.36 mg/m³
(General Population) Acute systemic effects, oral: 6.1 mg/kg (bodyweight/day)
Long-term systemic effects, oral: 6.1mg/kg (bodyweight/day)
Long-term local effects, inhalation: 1.06mg/m³
PNEC sewage treatment plant: 100mg/l

8.2 Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the workstation.

Breathing equipment:
In case of inadequate ventilation wear respiratory protection.
Protection of hands:
Protective gloves.
Eye protection:
Wear side shield safety glasses.
Engineering Measures:
Use exhaust ventilation, if required, to maintain dust concentration below recommended exposure limits.
Avoid release to the environment.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Form	Solid
Colour	White
Odour	Odourless
Odour threshold	Not determined
pH-value	8 - 9
Change in condition	
Melting point/Melting range	Decomposes at 825°C.
Boiling point/Boiling range	Not applicable
Flash point	Not applicable
Inflammability (solid, gaseous)	Not flammable
Ignition temperature	Not applicable
Decomposition temperature	Not determined
Self-inflammability	Not applicable
Explosive properties	Product is not explosive
Critical values for explosion	
Lower	Not determined
Upper	Not determined
Vapour pressure	Not applicable
Density at 20°C	Not determined
Relative density	2.93
Vapour density	3.45
Evaporation rate	Not applicable
Solubility in/Miscibility with	
Water	Slightly soluble in water.
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not applicable
Kinematic	Not applicable

Section 10: Stability and reactivity

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage, and transport.

10.2 Chemical stability
Thermal decomposition/conditions to be avoided:
Stable under normal conditions.

10.3 Possibility of hazardous reactions:
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid:
None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials:
No further relevant information available.

10.6 Hazardous decomposition products:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Category 4 (inhalation, dust, mist)

LD/LC50 values that are relevant for classification:
Oral LD50 > 2000mg/kg
Dermal LD50 > 2000mg/kg
Inhalation LC50 > 3mg/l

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

Serious eye damage/irritation:
Not classified.

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

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):
Based on available data, the classification criteria are not met.

Section 12: Ecological information

12.1 Ecotoxicity:
Hazardous to the aquatic environment – chronic hazard category 3

LC50 > 56000mg/l
EC50 72h > 14mg/l
EC50 96h > 22000mg/l

12.2 Persistence and degradability:
No further relevant information available.

12.3 Bioaccumulative potential:
No further relevant information available.

12.4 Mobility in soil:
4.971

Additional ecological information
General notes:
No further relevant information available.

12.5 Other adverse effects:
Harmful if inhaled. Harmful to aquatic life with long lasting effects.

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

Section 13: Disposal Considerations

13.1 Waste treatment methods recommendation:

Dispose of contents/container in accordance with licensed collector's sorting instructions.
HP6: Acute Toxicity - waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
HP14: Ecotoxic – waste which presents or may present immediate or delayed risks for one or more sectors of the environment.

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
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
14.6 Special precautions for user	Not applicable
Transport/Additional information:	Not dangerous goods according to the official regulations

Section 15: Regulatory Information

15.1 REACH:
Not listed on REACH Annex XVII, XIV (Authorisation List)

PIC (Prior Informed Consent):
Not listed on the PIC list (Regulation EU 649/2012)

POP (Persistent Organic Pollutants):
Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009):
Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Explosives Precursors Regulation (2019/1148):
Contains no substance(s) listed on the Explosives Precursors List (Regulation EU 2019/1148 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004):
Contains no substance(s)
Listed on the Drug Precursors list (Regulation EC 2019/1148 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

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.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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