

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

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

1.1 Product identifier

Trade name : SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Unique Formula Identifier (UFI) : 8V91-J01P-U001-Q88X

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

Use of the Sub-stance/Mixture : Building and construction work
Professional and consumer use of coatings, Roller application
or brushing, Non industrial spraying
Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Company : Helios TBLUS d.o.o.
Količevo 65
1230 Domžale
Slovenia

Telephone Company : 386 (1) 722 4383

Telefax Company : 386 (1) 722 4310

Responsible/issuing person : 386 (1) 722 4383
productsafety@helios.si

1.4 Emergency telephone number

Call 999 (or 112) for emergency medical attention
professionals only: National Poison Information Service (NPIS) 24h national number 0844 892
0111
consumer: National Health Service (NHS) 24h national number, England & Scotland 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK
SI 2019/720, and UK SI 2020/1567)**

Skin irritation, Category 2

H315: Causes skin irritation.

SAFETY DATA SHEET

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Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal word : Danger

Hazard statements :

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements :

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.

Prevention:

- P273 Avoid release to the environment.
- P280 Wear protective gloves/ eye protection/ face protection.

Response:

- P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
- P391 Collect spillage.

Disposal:

- P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 2-propenenitrile, reaction products
- m-phenylenebis(methylamine)
- 3-aminomethyl-3,5,5-trimethylcyclohexylamine
- 2-methylisothiazol-3(2H)-one

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



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1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Waterborne paint

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Aliphatic polyamine	-	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	$\geq 10 - < 20$
2-propenenitrile, reaction products	90530-15-7 292-053-3 01-2120094715-47	Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	$\geq 3 - < 5$
ethanol	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	$\geq 1 - < 10$
1-methoxypropan-2-ol	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	$\geq 1 - < 10$
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2 220-666-8 612-067-00-9 01-2119514687-32	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Chronic 3; H412 specific concentra- tion limit Skin Sens. 1A; H317 $\geq 0,001 \%$	$\geq 0,25 - < 1$
m-phenylenebis(methylamine)	1477-55-0 216-032-5	Acute Tox. 4; H302 Acute Tox. 4; H332	$\geq 0,25 - < 1$

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version 1.1	Revision Date: 04.01.2023	SDS Number: MAT0GA00_032 GB / EN	Date of last issue: 18.05.2020 Date of first issue: 18.05.2020
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	01-2119480150-50	Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412	
2-methyl-2H-isothiazol-3-one	2682-20-4 220-239-6 613-326-00-9 01-2120764690-50	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 1010 M-Factor (Chronic aquatic toxicity): 11 specific concentra- tion limit Skin Sens. 1A; H317 >= 0,0015 %	>= 0,0025 - < 0,025

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water.
Remove contaminated clothing and shoes.
- In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

SAFETY DATA SHEET

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1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

If swallowed : Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : The product itself does not burn.
Standard procedure for chemical fires.
Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with skin and eyes.
Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
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 : Soak up with inert absorbent material (e.g. sand, silica gel,

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Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : No special technical protective measures required.
For personal protection see section 8.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat, drink or smoke. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Perishable if frozen. To maintain product quality, do not store in heat or direct sunlight.
- Advice on common storage : No materials to be especially mentioned.
- Further information on storage stability : Protect from frost.

7.3 Specific end use(s)

- Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Talc	14807-96-6	TWA (Respirable dust)	1 mg/m ³	GB EH40
		TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
Further information: Carcinogens or mutagens				
		TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version
1.1

Revision Date:
04.01.2023

SDS Number:
MAT0GA00_032
GB / EN

Date of last issue: 18.05.2020

Date of first issue: 18.05.2020

	Further information: Carcinogens or mutagens			
triiron tetraoxide	1317-61-9	TWA (Fumes)	5 mg/m3 (Iron)	GB EH40
		STEL (Fumes)	10 mg/m3 (Iron)	GB EH40
ethanol	64-17-5	TWA	1.000 ppm 1.920 mg/m3	GB EH40
1-methoxy-2-propanol	107-98-2	TWA	100 ppm 375 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	150 ppm 568 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	100 ppm 375 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	150 ppm 560 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		TWA	100 ppm 375 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	150 ppm 568 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
1-methoxy-2-propanol	Workers	Inhalation	Long-term systemic effects	369 mg/m3
	Workers	Inhalation	Acute systemic effects	553,5 mg/m3
	Workers	Inhalation	Acute local effects	553,5 mg/m3
	Workers	Inhalation	Long-term systemic effects	43,9 mg/m3
	Workers	Dermal	Long-term systemic effects	183 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	78 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	33 mg/kg bw/day

SAFETY DATA SHEET

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UK REACH Regulations SI 2019/758



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Version
1.1

Revision Date:
04.01.2023

SDS Number:
MAT0GA00_032
GB / EN

Date of last issue: 18.05.2020
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Talc	Workers	Inhalation	Acute systemic effects	2,16 mg/m3
	Workers	Inhalation	Acute local effects	3,6 mg/m3
	Consumers	Inhalation	Acute systemic effects	1,08 mg/m3
	Consumers	Inhalation	Acute local effects	1,8 mg/m3
	Consumers	Dermal	Long-term local effects	2,27 mg/cm2
	Workers	Dermal	Long-term local effects	4,54 mg/cm2
	Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	160 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	43,2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	21,6 mg/kg bw/day
triiron tetraoxide	Workers	Inhalation	Long-term local effects	10 mg/m3
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Workers	Inhalation	Long-term local effects	0,073 mg/m3
	Workers	Inhalation	Acute local effects	0,073 mg/m3
	Consumers	Oral	Long-term systemic effects	0,526 mg/kg bw/day
m-phe-nylenebis(methylamine)	Workers	Inhalation	Long-term systemic effects	1,2 mg/m3
	Workers	Inhalation	Long-term systemic effects	1,2 mg/m3
	Workers	Inhalation	Long-term local effects	0,2 mg/m3
	Workers	Inhalation	Long-term local effects	0,2 mg/m3
	Workers	Dermal	Long-term systemic effects	0,33 mg/m3
	Workers	Dermal	Long-term systemic effects	0,33 mg/m3

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
1-methoxy-2-propanol	Soil	4,59 mg/kg dry weight (d.w.)
	Marine water	1 mg/l
	Fresh water	10 mg/l
	Marine sediment	5,2 mg/kg dry weight (d.w.)
	Fresh water sediment	52,3 mg/kg dry

SAFETY DATA SHEET

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Version
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MAT0GA00_032
GB / EN

Date of last issue: 18.05.2020

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		weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	100 mg/l
Talc	Marine water	141,26 mg/l
	Fresh water	597,97 mg/l
	Marine sediment	3,13 mg/kg dry weight (d.w.)
	Fresh water sediment	31,33 mg/kg dry weight (d.w.)
	Intermittent use/release	597,97 mg/l
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Soil	1,121 mg/kg dry weight (d.w.)
	Marine water	0,006 mg/l
	Fresh water	0,06 mg/l
	Marine sediment	0,578 mg/kg dry weight (d.w.)
	Fresh water sediment	5,784 mg/kg dry weight (d.w.)
	Sewage treatment plant	3,18 mg/l
	Intermittent use/release	0,23 mg/l
2-propenenitrile, reaction products	Soil	19,33 mg/kg dry weight (d.w.)
	Marine water	0,00099 mg/l
	Fresh water	0,00992 mg/l
	Marine sediment	9,68 mg/kg dry weight (d.w.)
	Fresh water sediment	96,97 mg/kg dry weight (d.w.)
	Sewage treatment plant	4,65 mg/l
	Intermittent use/release	0,992 mg/l
m-phenylenebis(methylamine)	Soil	0,045 mg/kg dry weight (d.w.)
	Soil	0,045 mg/kg dry weight (d.w.)
	Marine water	0,0094 mg/l
	Marine water	0,0094 mg/l
	Fresh water	0,094 mg/l
	Fresh water	0,094 mg/l
	Marine sediment	0,043 mg/kg dry weight (d.w.)
	Marine sediment	0,043 mg/kg dry weight (d.w.)
	Fresh water sediment	0,43 mg/kg dry weight (d.w.)
	Fresh water sediment	0,43 mg/kg dry weight (d.w.)
	Sewage treatment plant	10 mg/l
	Sewage treatment plant	10 mg/l
	Intermittent use/release	0,152 mg/l

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

	Intermittent use/release	0,152 mg/l
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8.2 Exposure controls

Personal protective equipment

Eye protection	:	Goggles
Hand protection	:	
Material	:	Nitrile rubber
Glove thickness	:	0,2 mm
Protective index	:	Class 3
Remarks	:	Wear suitable gloves.
Skin and body protection	:	Long sleeved clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	:	No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	in accordance with the product description
Odour	:	No information available.
Odour Threshold	:	No data available
pH	:	10 - 11 Concentration: 100 %
Flash point	:	Not applicable
Flammability (solid, gas)	:	Not applicable
Density	:	1,45 - 1,55 g/cm ³
Solubility(ies)	:	
Water solubility	:	completely miscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

Viscosity
Viscosity, kinematic : > 20,5 mm²/s (40 °C)

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No data available

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.
Incompatible with strong acids and bases.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

ethanol:

Acute oral toxicity : LD50 Oral (Rat): ≥ 7.060 mg/kg
Acute inhalation toxicity : LC50 (Rat): ≥ 39 mg/l
Exposure time: 4 h
Test atmosphere: vapour

1-methoxy-2-propanol:

Acute oral toxicity : LD50 Oral (Rabbit): > 2.000 mg/kg

SAFETY DATA SHEET

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1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Acute oral toxicity : LD50 (Rat): 1.030 mg/kg
Method: OECD Test Guideline 401
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute dermal toxicity : LD50 (Rat): 2.000 mg/kg
Method: OECD Test Guideline 402

Acute toxicity estimate: 2.000 mg/kg
Method: Calculation method

m-phenylenebis(methylamine):

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

2-methylisothiazol-3(2H)-one:

Acute oral toxicity : Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : Test atmosphere: vapour
Assessment: The component/mixture is highly toxic after short term inhalation.

Acute dermal toxicity : Assessment: The component/mixture is toxic after single contact with skin.

Skin corrosion/irritation

Causes skin irritation.

Components:

2-propenenitrile, reaction products:

Result : Corrosive after 3 minutes to 1 hour of exposure

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Result : Corrosive after 3 minutes to 1 hour of exposure

m-phenylenebis(methylamine):

Result : Corrosive after 3 minutes to 1 hour of exposure

SAFETY DATA SHEET

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		GB / EN	

2-methylisothiazol-3(2H)-one:

Result : Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

ethanol:

Result : Eye irritation

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Components:

2-propenenitrile, reaction products:

Result : Probability or evidence of skin sensitisation in humans

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Result : Probability or evidence of skin sensitisation in humans

m-phenylenebis(methylamine):

Result : Probability or evidence of skin sensitisation in humans

2-methylisothiazol-3(2H)-one:

Result : Probability or evidence of skin sensitisation in humans

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

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Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
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		GB / EN	

Components:

1-methoxy-2-propanol:

Assessment : May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Aliphatic polyamine:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :

Very toxic to aquatic life with long lasting effects.

ethanol:

Toxicity to fish : LC50 (Fish): ≥ 13.500 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): ≥ 5.000 mg/l

1-methoxy-2-propanol:

Toxicity to fish : LC50 (Fish): > 1.000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): > 1.000 mg/l

Toxicity to algae/aquatic plants : LC50 (algae): > 1.000 mg/l

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Toxicity to fish : LC50 (Fish): ≥ 110 mg/l
Exposure time: 96 h

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1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 23 mg/l
aquatic invertebrates

Toxicity to algae/aquatic : EC50 (algae): >= 22 mg/l
plants

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

m-phenylenebis(methylamine):

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

2-methylisothiazol-3(2H)-one:

M-Factor (Acute aquatic tox- : 10
icity)

M-Factor (Chronic aquatic : 1
toxicity)

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

12.2 Persistence and degradability

Components:

2-methylisothiazol-3(2H)-one:

Biodegradability : Result: Biodegradable

12.3 Bioaccumulative potential

Components:

ethanol:

Partition coefficient: n- : log Pow: -0,32
octanol/water

1-methoxy-2-propanol:

Partition coefficient: n- : log Pow: -0,437
octanol/water

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Partition coefficient: n- : log Pow: 0,79
octanol/water

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
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SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

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 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: Do not release the product to the aquatic environment
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal.
Waste Code	: 08 01 20, aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19

SECTION 14: Transport information

14.1 UN number

ADN	: UN 3082
ADR	: UN 3082
RID	: UN 3082
IMDG	: UN 3082
IATA	: UN 3082

14.2 UN proper shipping name

ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyamine)
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyamine)

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(Aliphatic polyamine)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(Aliphatic polyamine)

IATA : Environmentally hazardous substance, liquid, n.o.s.
(Aliphatic polyamine)

14.3 Transport hazard class(es)

ADN : 9

ADR : 9

RID : 9

IMDG : 9

IATA : 9

14.4 Packing group

ADN

Packing group : III

Classification Code : M6

Hazard Identification Number : 90

Labels : 9

ADR

Packing group : III

Classification Code : M6

Hazard Identification Number : 90

Labels : 9

Tunnel restriction code : (-)

RID

Packing group : III

Classification Code : M6

Hazard Identification Number : 90

Labels : 9

IMDG

Packing group : III

Labels : 9

EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo aircraft) : 964

Packing instruction (LQ) : Y964

Packing group : III

Labels : Miscellaneous

IATA (Passenger)

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

Packing instruction (passenger aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E2 ENVIRONMENTAL HAZARDS

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

Seveso III Directive (2012/18/EU) implemented E2 ENVIRONMENTAL HAZARDS
by Control of Major Accident Hazards Regulations 2015 (COMAH)

Volatile organic compounds : Directive 2004/42/EC
Volatile organic compounds (VOC) content: 82 g/l

Other regulations:

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H225	: Highly flammable liquid and vapour.
H226	: Flammable liquid and vapour.
H301	: Toxic if swallowed.
H302	: Harmful if swallowed.
H311	: Toxic in contact with skin.
H312	: Harmful in contact with skin.
H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H330	: Fatal if inhaled.
H332	: Harmful if inhaled.
H336	: May cause drowsiness or dizziness.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Corr.	: Skin corrosion
Skin Sens.	: Skin sensitisation
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2004/37/EC	: Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



SPEKTRA 2K EPOXY CONCRETE PAINT – comp. A

Version	Revision Date:	SDS Number:	Date of last issue: 18.05.2020
1.1	04.01.2023	MAT0GA00_032	Date of first issue: 18.05.2020
		GB / EN	

2004/37/EC / TWA	: Long term exposure limit
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the mixture:

Skin Irrit. 2	H315
Eye Dam. 1	H318
Skin Sens. 1	H317
Aquatic Chronic 2	H411

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method

412573; 412576

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide-

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		GB / EN	

ance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a 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.

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