SAFETY DATA SHEET

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

SPEKTRA ANTINICOTINE PAINT

Version	Revision Date:	SDS Number:	Date of last issue: 19.01.2022
1.2	27.08.2026	MAT000412211 GB/EN	Date of first issue: 01.12.2020

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

1.1 Product identifier

Trade name : SPEKTRA ANTINICOTINE PAINT

Product code : 41221102

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

Use of the Substance/Mixture : SU19: Building and construction work
, PROC10, PROC11: Professional and consumer use of coatings, Roller application or brushing, Non industrial spraying
PC9a: Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Company : KANSAI HELIOS Slovenija 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@kansai-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

Access code: 13586 +44 20 3514 7487

Access code: 13586 +44 800 680 0425

Access code: 13586 +44 808 189 0979

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)

Not a hazardous substance or mixture.

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)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

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

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 : Solvent-borne coatings

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hydrocarbons, C11 - C13 isoalkanes, < 2% of the aromatic	246538-78-3 01-2119456810-40	Asp. Tox. 1; H304	>= 10 - < 20
hydrocarbons, C11 - C12 isoalkanes, < 2% of the aromatic	- 918-167-1 01-2119472146-39	Flam. Liq. 3; H226 Asp. Tox. 1; H304	>= 10 - < 20

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	6846-50-0 229-934-9 01-2119451093-47	Repr. 2; H361 Aquatic Chronic 3; H412	>= 1 - < 2,5
Substances with a workplace exposure limit :			
calcium carbonate	471-34-1 207-439-9 01-2119486795-18		>= 30 - < 50
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17		>= 10 - < 20
talc	14807-96-6 238-877-9 01-2120140278-58		>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

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 : Carbon dioxide (CO_2)

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
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 : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.
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 : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking. Keep in a well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

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
Calcium carbonate	471-34-1	TWA (Respirable dust)	4 mg/m3	GB EH40
		TWA (inhalable dust)	10 mg/m3	GB EH40
titanium dioxide	13463-67-7	TWA (Respirable dust)	4 mg/m3	GB EH40
		TWA (inhalable dust)	10 mg/m3	GB EH40
Talc	14807-96-6	TWA (Respirable dust)	1 mg/m3	GB EH40
		TWA (Respirable dust)	0,1 mg/m3	2004/37/EC
	Further information: Carcinogens or mutagens			

Derived No Effect Level (DNEL)

Substance name	End Use	Exposure routes	Potential health effects	Value
Calcium carbonate	Workers	Inhalation	Long-term local effects	4,26 mg/m3
	Consumers	Inhalation	Long-term local effects	1,06 mg/m3
titanium dioxide	Workers	Inhalation	Long-term local effects	10 mg/m3
	Consumers	Oral	Long-term systemic effects	700 mg/kg bw/day
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
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	Consumers	Inhalation	Long-term systemic effects	32,6 mg/m3
	Workers	Inhalation	Long-term systemic effects	110 mg/m3
	Consumers	Oral	Long-term systemic effects	18,8 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	31,2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	18,8 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Substance name	Environmental Compartment	Value
Calcium carbonate	Sewage treatment plant	100 mg/l
titanium dioxide	Soil	100 mg/kg dry weight (d.w.)
	Marine water	0,0184 mg/l
	Fresh water	0,184 mg/l
	Marine sediment	100 mg/kg dry weight (d.w.)
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	0,193 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
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	Soil	1,05 mg/kg dry weight (d.w.)
	Marine water	0,0014 mg/l
	Fresh water	0,014 mg/l
	Marine sediment	0,529 mg/kg dry weight (d.w.)

	Fresh water sediment	5,29 mg/kg dry weight (d.w.)
	Sewage treatment plant	3 mg/l

8.2 Exposure controls

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection : Equipment should conform to EN 166
Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection
Gloves : Nitrile rubber (> 0,1 mm; < 60 min); ISO EN374
Viton® (> 0,6 mm; < 240 min); ISO EN374
PE laminate (> 0,1 mm; < 240 min); ISO EN374

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Skin and body protection : Impervious 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 : solvent-like
Odour Threshold : No data available

pH : No data available

Melting point/freezing point : 0,0 °C
(calculation method (principal components, lowest value))

Boiling point/boiling range : 100 °C (calculation method (principal components, lowest value))

Flash point : 64 °C

Relative density : 5,53 (calculation method (principal components, highest value))

Density	:	1,46 - 1,50 g/cm3
Solubility(ies)		
Water solubility	:	partly miscible
Solubility in other solvents	:	Description: miscible with most organic solvents
Partition coefficient: n-octanol/water	:	No data available
Decomposition temperature	:	No decomposition if stored and applied as directed. Hazardous decomposition products formed under fire conditions.
Viscosity		
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)

9.2 Other information

No data available

VOC	:	(Directive 2004/42/EC) 350 g/l

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid	:	Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid	:	Not applicable

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Acute oral toxicity	:	LD50 (Rat, female): > 2.000 mg/kg Method: OECD Test Guideline 425 The test was conducted according to guideline
Acute dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 The test was conducted according to guideline

Calcium carbonate:

Acute oral toxicity	:	LD50 (Rat, female): > 2.000 mg/kg Method: OECD Test Guideline 420 The test was conducted according to guideline
Acute dermal toxicity	:	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402 The test was conducted according to guideline

titanium dioxide:

Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 425 The test was conducted according to guideline
Acute inhalation toxicity	:	LC50 (Rat): > 5,09 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity The test was conducted according to guideline

Talc:

Acute oral toxicity	:	LD50 (Rat, male): > 5.000 mg/kg Method: OECD Test Guideline 423 The test was conducted according to guideline

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
The test was conducted according to guideline

Skin corrosion/irritation

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : The test was conducted according to guideline

Calcium carbonate:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : The test was conducted according to guideline

titanium dioxide:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : The test was conducted equivalent or similar to guideline

Talc:

Species : reconstructed human epidermis (RhE)
Result : No skin irritation

Serious eye damage/eye irritation

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation
Remarks : The test was conducted according to guideline

Calcium carbonate:

Species : Rabbit

Method	:	OECD Test Guideline 405
Result	:	No eye irritation
Remarks	:	The test was conducted according to guideline

titanium dioxide:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation
Remarks	:	The test was conducted according to guideline

Talc:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation
Remarks	:	The test was conducted according to guideline

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Assessment	:	Not classified due to data which are conclusive although insufficient for classification.
Test Type	:	Patch Test
Exposure routes	:	Skin contact
Species	:	Human
Result	:	negative
Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Assessment	:	Not classified due to data which are conclusive although insufficient for classification.
Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429

Result	:	negative
Remarks	:	The test was conducted according to guideline
Assessment	:	Not classified due to lack of data.

titanium dioxide:

Test Type	:	Buehler Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	negative
Remarks	:	The test was conducted according to guideline

Talc:

Assessment	:	Not classified due to data which are conclusive although insufficient for classification.
Test Type	:	Maximisation Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	negative
Remarks	:	The test was conducted according to guideline
Assessment	:	Not classified due to data which are conclusive although insufficient for classification.
Exposure routes	:	Inhalation
Species	:	Rat
Result	:	negative
Remarks	:	No test guideline followed

Germ cell mutagenicity

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Genotoxicity in vitro	:	Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative The test was conducted equivalent or similar to guideline Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative

The test was conducted according to guideline

Test Type: Bacterial reverse mutation assay (AMES)
Method: Regulation (EC) No. 440/2008, Annex, B.13/14 (Ames test)
Result: negative
The test was conducted according to guideline

Calcium carbonate:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative
The test was conducted according to guideline

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative
The test was conducted according to guideline

Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
The test was conducted according to guideline

Germ cell mutagenicity- Assessment : Not classified due to data which are conclusive although insufficient for classification.

titanium dioxide:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative
The test was conducted according to guideline

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative
The test was conducted according to guideline

Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
The test was conducted according to guideline

Genotoxicity in vivo : Test Type: Transgenic rodent somatic cell gene mutation assay
Species: Mouse
Application Route: Intravenous injection

Method: OECD Test Guideline 488
Result: negative
The test was conducted equivalent or similar to guideline

Talc:

Genotoxicity in vitro : Test Type: in vitro mammalian cell transformation assay
Method: OECD Test Guideline 473
Result: negative
The test was conducted equivalent or similar to guideline

Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
The test was conducted equivalent or similar to guideline

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
Species: Rat
Application Route: oral (gavage)
Method: OECD Test Guideline 478
Result: negative
The test was conducted equivalent or similar to guideline

Germ cell mutagenicity- Assessment : Not classified due to data which are conclusive although insufficient for classification.

Carcinogenicity

Not classified due to lack of data.

Components:

Calcium carbonate:

Carcinogenicity - Assessment : Not classified due to data which are conclusive although insufficient for classification.

Talc:

Species : Mouse
Application Route : inhalation (dust/mist/fume)
Exposure time : 104 Weeks
Method : OECD Test Guideline 453
Result : negative
Remarks : The test was conducted according to guideline

Species : Rat
Application Route : oral (feed)
Exposure time : 101 d
Method : OECD Test Guideline 453

Result	:	negative
Remarks	:	The test was conducted according to guideline
Carcinogenicity - Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Reproductive toxicity

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Effects on fertility	:	Test Type: Extended one-generation reproduction toxicity study Species: Rat Application Route: oral (feed) Method: OECD Test Guideline 443 Result: negative The test was conducted according to guideline
Effects on foetal development	:	Test Type: Developmental Toxicity Species: Rat Application Route: oral (feed) Result: positive The test was conducted according to guideline
Reproductive toxicity - Assessment	:	Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

Calcium carbonate:

Effects on fertility	:	Test Type: Screening test Species: Rat Application Route: oral (gavage) Method: OECD Test Guideline 422 Result: negative The test was conducted according to guideline
Effects on foetal development	:	Test Type: Developmental Toxicity Species: Rat Application Route: oral (feed) Result: negative The test was conducted equivalent or similar to guideline
Reproductive toxicity - Assessment	:	Not classified due to data which are conclusive although insufficient for classification. Not classified due to lack of data.

titanium dioxide:

Effects on fertility	:	Test Type: Extended one-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 443 Result: negative The test was conducted according to guideline
Effects on foetal development	:	Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative The test was conducted according to guideline

Talc:

Effects on fertility	:	Test Type: Two-generation reproduction toxicity study Species: Rabbit, female Application Route: oral (gavage) Method: OECD Test Guideline 416 Result: negative The test was conducted equivalent or similar to guideline
Effects on foetal development	:	Test Type: Developmental Toxicity Species: Rat Application Route: oral (gavage) Result: negative The test was conducted equivalent or similar to guideline
Reproductive toxicity - Assessment	:	Not classified due to data which are conclusive although insufficient for classification. Not classified due to data which are conclusive although insufficient for classification.

STOT - single exposure

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Assessment	:	Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Talc:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

STOT - repeated exposure

Not classified due to lack of data.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Talc:

Assessment : Not classified due to data which are conclusive although insufficient for classification.

Aspiration hazard

Not classified due to lack of data.

Components:

Hydrocarbons, C11 - C13 isoalkanes , < 2% of the aromatic:

May be fatal if swallowed and enters airways.

hydrocarbons, C11 - C12 isoalkanes, < 2% of the aromatic:

May be fatal if swallowed and enters airways.

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Not classified due to data which are conclusive although insufficient for classification.

Calcium carbonate:

Not classified due to lack of data.

Talc:
Not classified due to data which are conclusive although insufficient for classification.

Endocrine disrupting properties

Product:

Assessment	:	This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f), at levels of 0.1% or higher.

Further information

Product:

Remarks	:	No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): 3,56 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0,7 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Remarks: The test was conducted equivalent or similar to guideline

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

Calcium carbonate:

Toxicity to algae/aquatic plants	:	EC10 (Desmodesmus subspicatus (green algae)): > 14 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline

Toxicity to microorganisms	:	NOEC (activated sludge): 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline EC50 (activated sludge): > 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline

titanium dioxide:

Toxicity to fish	:	LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on transformation/dissolution testing and data from soluble metal compounds The test was conducted according to guideline
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: The test was conducted according to guideline
Toxicity to algae/aquatic plants	:	NOELR (Raphidocelis subcapitata (freshwater green alga)): >= 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline EL50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: The test was conducted according to guideline
Toxicity to microorganisms	:	NOEC (activated sludge): >= 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: The test was conducted according to guideline

12.2 Persistence and degradability

Components:

Calcium carbonate:

Biodegradability	:	Result: Readily biodegradable.

Biodegradation: 90 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
Remarks: The test was conducted according to guideline

12.3 Bioaccumulative potential

Components:

Hydrocarbons, C11 - C13 isoalkanes , < 2% of the aromatic:

Partition coefficient: n-octanol/water : log Pow: 1,99 - 7,22

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 5.340
Method: OECD Test Guideline 305
Remarks: The test was conducted according to guideline

Partition coefficient: n-octanol/water : log Pow: 4,91 (25 °C)
pH: 7

Talc:

Partition coefficient: n-octanol/water : log Pow: -9,4 (25 °C)
pH: 7
Remarks: No test guideline followed

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

Product:

Additional ecological information : No data available

Endocrine disrupting properties

Product:

Assessment	:	This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f) at levels of 0.1% or higher.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1 UN number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.2 UN proper shipping name

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good

RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA	:	Not regulated as a dangerous good

14.4 Packing group

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA (Cargo)	:	Not regulated as a dangerous good
IATA (Passenger)	:	Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

UK REACH List of restrictions (Annex 17)	:	Conditions of restriction for the following entries should be considered: Number on list 40 This substance/mixture shall not be used in aerosol dispensers intended for supply to the general public for entertainment and decorative purposes.
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable

GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	:	Not applicable
Control of Major Accident Hazards Regulations 2015 (COMAH)		Not applicable

Volatile organic compounds	:	Directive 2004/42/EC Volatile organic compounds (VOC) content: 350 g/l

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H226	:	Flammable liquid and vapour.
H304	:	May be fatal if swallowed and enters airways.
H361	:	Suspected of damaging fertility or the unborn child.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Flam. Liq.	:	Flammable liquids
Repr.	:	Reproductive toxicity
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens, mutagens or reprotoxic substances at work - Annex III
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
2004/37/EC / TWA	:	Long term exposure limit
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA 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 Harmonised 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 Organisation; ISHL

- Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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

Further information

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 guidance 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.