

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 453/2010

series 13 - PRIMAcryl PROFESSIONAL

Article No.	13 xxx	Issue date:	05.12.24
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name PRIMAcryl PROFESSIONAL
heavy body & fluid

REACH registration No.
UFI

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

General use Products for the artistic design of load-bearing and solid substrates.

Uses advised against Applications other than "General use"

1.3 Details of the supplier of the safety data sheet

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Strasse 2
D-40699 Erkrath
Tel +49 (0) 211 - 2509 - 0
Fax +49 (0) 211 - 2509 - 479
info@schmincke.de
www.schmincke.de

Schmincke-lab:
mo-th 8.00-16.30, fr 8.00-13.30
tel. +49 (0) 211-2509-474
sdb@schmincke.de

1.4 Emergency telephone number

Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

Labelling

Signal word

Hazard statements no hazard labelling required

Safety precautions

Hazard components for labelling

2.3 Other hazards

Contains biocidal products. Contains BIT, CIT, MIT, OIT: May produce an allergic reaction.
Full text of biocides: see section 16.

This product 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.
The product does not contain components considered to have endocrine disrupting properties

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according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

CAS-Number
EC-number
REACH registration No.
CI-Number

3.2 Mixtures

Substance 11

1,2-benzisothiazol-3(2H)-one (BIT): < 0,036%
CAS: 2634-33-5
EU: 220-120-9
EC: 613-088-00-6

Acute Tox. 2; H330 / Acute Tox. 4; H302 / Aquatic Acute 1; H400 (M = 1) / Aquatic Chronic 1; H410 (M = 1) / Eye Dam. 1; H318 / Skin Irrit. 2; H315 / Skin Sens. 1A; H317
Skin Sens. 1; H317: C >=0,036%

Substance 13

2-methyl-2H-isothiazol-3-one (MIT): < 0,0015%
CAS: 2682-20-4
EU: 220-239-6

EUH071 / Acute Tox. 2; H330 / Acute Tox. 3; H301 / Acute Tox. 3; H311 / Aquatic Acute 1; H400 (M = 10) / Aquatic Chronic 1; H410 (M = 1) / Eye Dam. 1; H318 / Skin Corr. 1B; H314 / Skin Sens. 1A; H317
Skin Sens. 1A; H317: C >=0,0015%

Additional information

The colours 13207,13211, 13213, 13214, 13317, 13320, 13322 contain cadmium-containing pigments. The use of cadmium containing pigments is limited to artist colors.
further information: see appendix

Substance 12

5-chloro-2-methyl-2H-isothiazol-3-one (CIT): < 0,0015%
CAS: 26172-55-4
EC: 247-500-7

Aquatic Acute 1; H400 (M = 1) / Aquatic Chronic 2; H411 (M = 1) / Eye Dam. 1; H318 / Skin Corr. 1C; H314 / Skin Sens. 1A; H317

Substance 14

2-octyl-2H-isothiazol-3-one (OIT): < 0,0015%
CAS: 26530-20-1
EU: 613-112-00-5
EC: 247-761-7

Acute Tox. 2; H330 / Acute Tox. 3; H301 / Acute Tox. 3; H311 / Aquatic Acute 1; H400 (M = 100) / Aquatic Chronic 1; H410 (M = 100) / Eye Dam. 1; H318 / Skin Corr. 1; H314 / Skin Sens. 1A; H317
Skin Sens. 1A; H317: C >=0,0015%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

No special measures are required.

In case of skin contact

Thoroughly wash skin with soap and water.
Seek medical attention if irritation persists.

After eye contact

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In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Let water be drunken in little sips (dilution effect).
If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons

none

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters

Additional information

Normally stable, even under fire exposure conditions, and are not reactive with water

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically. Wash spill area with plenty of water.

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation. refer to section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed.

Hints on joint storage

Storage class

LGK 12

Further details

storage temperature: from 10 °C to 35 °C

7.3 Specific end use(s)

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No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL overview

2634-33-5 1,2-benzisothiazol-3(2H)-one (BIT)

DNEL worker	Long-term - inhalation, systemic effects	6,81000	mg/m ³
DNEL worker	Long-term - dermal, systemic effects	0,96600	mg/kg bw/day

PNEC overview

2634-33-5 1,2-benzisothiazol-3(2H)-one (BIT)

PNEC soil	30,00000	mg/kg
PNEC aquatic, freshwater	4,03000	µg/L
PNEC aquatic, marine water	0,40300	µg/L
PNEC soil, freshwater	49,90000	µg/kg
PNEC soil, marine water	4,99000	µg/kg
PNEC sewage treatment plant (STP)	1,03000	mg/L

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Protect skin by using skin protective cream.

Eye protection

Avoid contact with eyes.

Body protection

Wash contaminated clothing prior to re-use.

General protection and hygiene measures

After work, wash hands and face.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form	liquid (fluid)- pasty (heavy body)
Colour	pigmented
Odour	weak

	min	max
Melting point/freezing point		
Initial boiling point and boiling range		
Flammability		
Explosion limits		
Flash point/flash point range		
Ignition temperature		
PH	8	10
Viscosity		
Viscosity		
Solubility		
Partition coefficient: n-octanol/water		
Vapour pressure		
Density and/or relative	1,1	- 1,6

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density g/ml
Relative vapour density
Auto-ignition temperature
Refraction index
Decomposition temperature

Danger of explosion
particle characteristics

9.2 Other information

Information with regard to physical hazard classes

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

frost and heat

10.5 Incompatible materials

none

10.6 Hazardous decomposition products

Hazardous decomposition products such as carbon dioxide, carbon monoxide, fumes, nitrogen oxides may develop with exposure to high temperatures.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological tests

2634-33-5 1,2-benzisothiazol-3(2H)-one (BIT)

oral	ATE	not required		0,00000	mg/kg bw	-
inhalative	ATE	not required		0,00000	mg/L	(dust or mist)

Toxicological tests

26530-20-1 2-octyl-2H-isothiazol-3-one (OIT)

oral	ATE	not required		0,00000	mg/kg	-
inhalative	ATE	not required		0,00000	mg/L	(dust or mist)
dermal	ATE	not required		0,00000	mg/kg	-

Toxicokinetics, metabolism and distribution

Acute toxicity

There are no data available on the mixture itself.

Aspiration hazard

There are no data available on the mixture itself.

After swallowing

There are no data available on the mixture itself.

Skin corrosion/irritation

There are no data available on the mixture itself.

Serious eye damage/eye irritation

There are no data available on the mixture itself.

Sensibilisation: Respiratory system

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There are no data available on the mixture itself.

Sensibilisation: Skin

There are no data available on the mixture itself.

STOT-single exposure

There are no data available on the mixture itself.

STOT-repeated exposure

There are no data available on the mixture itself.

Carcinogenic, germ cell mutagen and reproduction effects

There are no CMR-data available on the preparation/mixture itself.

There are no CMR-data available on the preparation/mixture itself.

There are no CMR-data available on the preparation/mixture itself.

Practical experience

General remarks

11.2 Information on other hazards

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

none

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

2634-33-5 1,2-benzisothiazol-3(2H)-one (BIT)

ErC50	Algae		150,00000	µg/L	(72h)
LC50	fish		16,70000	mg/L	(96h)
EC50	Daphnia magna (Big water		2,94000	mg/L	(48h)

Ecotoxicological effects

26530-20-1 2-octyl-2H-isothiazol-3-one (OIT)

ErC50	Algae		0,15000	mg/L	(96h)
LC50	fish		0,12200	mg/L	(96h)

Aquatic toxicity

13 100: slightly hazardous to water

WGK 2: obviously hazardous to water

Water Hazard Class 2 deutlich wassergefährdend

WGK catalog number

General information

12.2 Persistence and degradability

Further details

Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Partition coefficient: n-octanol/water

There are no data available on the mixture itself.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

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The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

080112 waste paint and varnish other than those mentioned in 08 01 11

Recommendation

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains.

Package

Waste key number

Recommendation

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information

<https://www.schmincke.de/en/know-how/good-to-know/disposing-of-washing-water-colour-medium-remains>

SECTION 14: Transport information

14.1 UN number or ID number

14.2 UN proper shipping name

ADR, ADN No dangerous good in sense of these transport regulations.
IMDG, IATA

14.3 Transport hazard class(es)

ADR, ADN
IMDG
IATA

14.4 Packing group

14.5 Environmental hazards

Marine Pollutant - IMDG
Marine Pollutant - ADN

14.6 Special precautions for user

Land transport (ADR/RID)

Classification code ADR/RID
Kemmler-number
Hazard label ADR
Limited quantities
Package: Instructions
Package: Special Provisions
Special provisions for packing together
Portable tanks: Instructions
Portable tanks: Special Provisions
Tank coding
Tunnel restriction
Remarks
EQ

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Special Provisions

Sea transport (IMDG)

EmS
Special Provisions
Limited quantities
Package: Instructions
Package: Special Provisions
IBC: Instructions
IBC: Provisions
Tank instructions IMO
Tank instructions UN
Tank instructions Special Provisions
Stowage and segregation
Properties and observations
Remarks
EQ

Air transport (IATA-DGR)

Hazard
Passenger
Passenger LQ
Cargo
ERG
Remarks
EQ
Special Provisioning

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations

Europe

Contents of VOC [%] 0 %
Contents of VOC
[g/L]
Further regulations, limitations and legal requirements

Germany

Storage class LGK 12
Water Hazard Class 2 deutlich wassergefährdend
WGK catalog number
Major Accident Ordinance (12.
BImSchV)
Information on working limitations
Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]
0 %
Further regulations, limitations and legal requirements

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USA

Further regulations, limitations and legal requirements

Conforms to ASTM D-4236

State Regulations

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP) CEPE-152 none

Further information

This information is abased on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature

REGULATION (EU) 2024/197 - ATP 21

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Additional information

BIT - 1,2-benzisothiazol-3(2H)-one (CAS: 2634-33-5)
CIT - 5-chloro-2-methyl-4-isothiazolin-3-one (CAS: 26172-55-4)
MIT - 2-methyl-2H-isothiazol-3-one (CAS: 2682-20-4)
OIT - 2-octyl-2H-isothiazol-3-one (CAS: 23560-20-1)

Appendix for safety data sheet no.: 13000000EN

Art. Nr.	Art. Name	C.I.	
13 100	zinc white	PW4	zinc oxide
13 101	titanium white	PW6	titanium dioxide
13 104	zircon mixing white	Zirkon	Zirkon
13 106	buff titanium	PW6:1	unbleached titanium dioxide
13 202	ivory	PY42	hydrated iron oxide
		PG17	hematite (Cr)
		PW6	titanium dioxide
13 203	Medieval yellow	PY53	rutil (Ni, Ti, Sb)
		PW6	titanium dioxide
13 205	Hansa yellow lemon	PY3	monoazo yellow
13 206	bismuth yellow	PY184	bismuth vanadate
13 207	cadmium yellow light	PY35	cadmium zinc sulphide
13 209	brilliant yellow	PY154	benzimidazolone
13 211	cadmium yellow medium	PY35	cadmium zinc sulphide
13 212	Indian yellow	PY110	isoindulin
		PY154	benzimidazolone
13 213	cadmium yellow deep	PO20	cadmium-sulphoselenide
13 214	cadmium orange	PO20	cadmium-sulphoselenide
13 215	brilliant orange	PO67	pyrazolochinazolone
13 216	pyrrole orange	PO71	diketo-pyrrolo-pyrrole
13 233	cadmium yellow light hue	PY184	bismuth vanadate
		PY155	disazo pigment
13 234	cadmium yellow medium hue	PY184	bismuth vanadate
		PY155	disazo pigment
13 235	titanium gold yellow	PY216	rutile (Zn, Sn)
13 237	cadmium yellow deep hue	PY184	bismuth vanadate
		PY155	disazo pigment
		PO67	pyrazolochinazolone
13 238	cadmium orange hue	PY184	bismuth vanadate
		PO67	pyrazolochinazolone
13 317	cadmium red light	PO20	cadmium-sulphoselenide
13 318	vermillion red	PR255	diketo-pyrrolo-pyrrole
13 319	quinacridone red orange	PR207	quinacridone
13 320	cadmium red medium	PR108	cadmium-sulphoselenide
13 322	cadmium red deep	PR108	cadmium-sulphoselenide
13 323	pyrrole red dark	PR264	diketo-pyrrolo-pyrrole
13 324	alizarin crimson hue	PR179	perylene
13 325	quinacridone red	PV19	quinacridone
13 326	quinacridone magenta	PR122	quinacridone
13 327	magenta	PR122	quinacridone
		PW6	titanium dioxide
13 328	quinacridone violet	PV19	quinacridone
13 329	blue violet	PV23	dioxazine
		PV19	quinacridone
		PW6	titanium dioxide
13 334	manganese violet	PV16	manganese ammonium phosphate
13 335	violet deep	PV23	dioxazine
		PW4	zinc oxide
13 343	cadmium red light hue	PY184	bismuth vanadate
		PR255	diketo-pyrrolo-pyrrole
13 344	cadmium red medium hue	PY216	rutile (Zn, Sn)
		PR254	diketo-pyrrolo-pyrrole
13 345	pyrrole red	PR254	diketo-pyrrolo-pyrrole
13 346	cadmium red deep hue	PY216	rutile (Zn, Sn)
		PR254	diketo-pyrrolo-pyrrole
		PV19	quinacridone
13 431	indigo	PB60	indanthrone
		PV19	quinacridone
		PBk10	graphite
13 432	anthraquinone blue	PB60	indanthrone
13 433	ultramarine blue	PB29	ultramarine blue
13 434	cobalt blue deep	PB28	spinel (Co, Al)
		PB60	indanthrone
13 435	cobalt blue light	PB28	spinel (Co, Al)
13 436	royal blue	PB28	spinel (Co, Al)
		PW6	titanium dioxide
13 437	Oriental blue	PB15:1	phthalocyanine (Cu, Cl)
		PV23	dioxazine
		PW6	titanium dioxide

Appendix for safety data sheet no.: 13000000EN

Art. Nr.	Art. Name	C.I.	
13 439	phthalo blue cyan	PB15:3	phthalocyanine (Cu)
13 440	Prussian blue	PB60	indanthrone
		PB15:1	phthalocyanine (Cu, Cl)
		PBk7	lamp black
13 453	manganese cerulean blue	PB15:3	phthalocyanine (Cu)
		PB16	phthalocyanine
		PW4	zinc oxide
13 454	cerulean blue	PB15:3	phthalocyanine (Cu)
		PG7	phthalocyanine (Cu, Cl)
		PW6	titanium dioxide
13 455	phthalo turquoise	PB16	phthalocyanine
13 456	cobalt teal	PG50	spinel (Co, Li, Ti, Zn)
13 457	aquamarine	PG36	phthalocyanine (Cu, Cl, Br)
		PB15:3	phthalocyanine (Cu)
		PW4	zinc oxide
13 561	cobalt green deep	PG26	spinel (Co, Cr)
13 562	chromium oxide green brilliant	PG18	hydrated chromium oxide
13 563	phthalo green bluish	PG7	phthalocyanine (Cu, Cl)
13 564	phthalo green yellowish	PG36	phthalocyanine (Cu, Cl, Br)
13 565	cobalt green light	PG19	spinel (Co, Zn)
13 566	olive green	PY184	bismuth vanadate
		PG7	phthalocyanine (Cu, Cl)
		PY42	hydrated iron oxide
13 567	permanent green	PY184	bismuth vanadate
		PG7	phthalocyanine (Cu, Cl)
13 568	vanadium green	PY184	bismuth vanadate
		PG36	phthalocyanine (Cu, Cl, Br)
13 569	yellow green	PY42	hydrated iron oxide
		PG36	phthalocyanine (Cu, Cl, Br)
		PY74	monoazo yellow
13 570	sap green	PB60	indanthrone
		PY150	azo-nickel-complex
13 571	natural green earth	PBr7	earth pigment
13 573	chromium oxide green	PG17	hematite (Cr)
13 574	may green	PY3	monoazo yellow
		PG18	hydrated chromium oxide
		PY128	disazo condensation
13 659	Burnt ochre light	PW6	titanium dioxide
		PY119	spinel (Zn, Fe)
13 672	Naples yellow	PY53	rutil (Ni, Ti, Sb)
13 673	titanium gold ochre	PBr24	rutil (Ti, Cr, Sb)
13 674	nickel azo yellow	PY150	azo-nickel-complex
13 675	yellow ochre	PY42	hydrated iron oxide
13 677	raw Umber	PBr7/PY43	earth pigment
13 678	Sienna	PY42	hydrated iron oxide
		PR101	iron oxide
13 679	burnt Sienna	PR101	iron oxide
13 682	transparent brown oxide	PR101	iron oxide
13 683	Mars brown	PBr6	iron oxide
13 684	natural burnt umber	PBr7	earth pigment
13 685	Vandyke brown	PR101	iron oxide
		PBk7	lamp black
13 788	light grey	PY42	hydrated iron oxide
		PW6	titanium dioxide
		PBk6	lamp black
13 789	neutral grey	PG17	hematite (Cr)
13 790	Schmincke Payne's grey	PR101	iron oxide
		PB29	ultramarine blue
		PBk7	lamp black
13 791	perylene black green	PBk31	perylene
13 792	ivory black	PBk9	amorphous carbon produced by charring animal bones
13 796	Mars black	PBk11	black iron oxide
13 797	carbon black	PBk7	lamp black
13 895	silver	Perlglanzpigment	pearlescent pigment
13 896	classic gold	Perlglanzpigment	pearlescent pigment
13 897	antique gold	Perlglanzpigment	pearlescent pigment
13 898	renaissance gold	Perlglanzpigment	pearlescent pigment
13 899	rose gold	Perlglanzpigment	pearlescent pigment

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

PRIMAcryl 13 100 zinc white

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

1.1 Product identifier

Trade name 13 100 zinc white
REACH registration No. ---
UFI ---

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

General use
Products for creation of art.

Uses advised against

1.3 Details of the supplier of the safety data sheet

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Strasse 2
D-40699 Erkrath
Tel +49 (0) 211 - 2509 - 0
Fax +49 (0) 211 - 2509 - 479
info@schmincke.de
www.schmincke.de

Schmincke-lab:
mo-th 8.00-16.30, fr 8.00-13.30
tel. +49 (0) 211-2509-474
sdb@schmincke.de

1.4 Emergency telephone number

Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Acute 1; H400 Very toxic to aquatic life.
Aquatic Chronic 1; H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling



Signal word Warning

Hazard statements
H410 Very toxic to aquatic life with long lasting effects.

Safety precautions
P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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P273 Avoid release to the environment.
P391 Collect spillage.

Text for labelling (CLP)

Contains biocidal products. Contains BIT, CIT, MIT, OIT: May produce an allergic reaction.
Full text of biocides: see section 16.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

pigment
pure acrylate
Water

CAS-Number	---
EINECS / ELINCS / NLP	---
EU index number	---
REACH registration No.	---
Hazchem-Code	---
CI-Number	PW4

3.2 Mixtures

Substance 1

zinc oxide: 30 < 40 %
CAS: 1314-13-2
REACH: 01-2119463881-32-0043
Aquatic Acute 1; H400 / Aquatic Chronic 1 (M1); H410

Additional information

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

No special measures are required.

In case of skin contact

Thoroughly wash skin with soap and water.
Seek medical attention if irritation persists.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Let water be drunken in little sips (dilution effect).
If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons

none

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters

Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically. Wash spill area with plenty of water.

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation. refer to section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed.

Hints on joint storage

Storage class

Further details

storage temperature: from 10 °C to 35 °C

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1314-13-2 zinc oxide

DEU	short-term occupational exposu	20,000	mg/m ³	4(I)
DEU	Long-term occupational exposur	10,000	mg/m ³	2(II)

DNEL overview

1314-13-2 zinc oxide

DNEL worker	Long-term - inhalation, systemic effects	5,00000	mg/m ³
DNEL worker	Long-term - inhalation, local effects	0,50000	mg/m ³
DNEL worker	Long-term - dermal, systemic effects	83,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic effects	0,83000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, systemic effects	2,50000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic effects	83,00000	mg/kg bw/day

PNEC overview

1314-13-2 zinc oxide

PNEC soil	35,60000	mg/kg dw
PNEC aquatic, freshwater	20,60000	µg/L
PNEC aquatic, marine water	6,10000	µg/L
PNEC soil, freshwater	117,80000	mg/kg dw
PNEC soil, marine water	56,50000	mg/kg dw
PNEC sewage treatment plant (STP)	100,00000	µg/L

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Protect skin by using skin protective cream.

Eye protection

Avoid contact with eyes.

Body protection

Wash contaminated clothing prior to re-use.

General protection and hygiene measures

After work, wash hands and face.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form	pasty
Colour	white
Odour	almost odourless

	min	max
Melting point/freezing point	---	---
Initial boiling point and boiling range	---	---
Flammability		---
Explosion limits	---	---

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Flash point/flash point range	---	---		
Ignition temperature	---	---		
PH	7,5	9,5	---	---
Viscosity	---	---	---	---
Solubility	---	---	---	---
Partition coefficient:	---	---		
n-octanol/water				
Vapour pressure		---	---	---
Density and/or relative density		1,5 - 1,6 kg/l	20 °C	---
Relative vapour density	---	---	---	---

Auto-ignition temperature	---	---	---
Refraction index	---	---	---

Danger of explosion ---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

frost and heat

10.5 Incompatible materials

strong acids oxidizing agents Strong alkali

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological tests

1314-13-2 zinc oxide

oral	LD50	Rat	>	5000,00000	mg/kg	-
inhalative	LC50	Rat	>	5,70000	mg/L	(4h)

Toxicokinetics, metabolism and distribution

Acute toxicity

There are no data available on the preparation/mixture itself.

In case of inhalation

There are no data available on the preparation/mixture itself.

After swallowing

There are no data available on the preparation/mixture itself.

In case of skin contact

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There are no data available on the preparation/mixture itself.

After eye contact

There are no data available on the preparation/mixture itself.

Practical experience

General remarks

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects
1314-13-2 zinc oxide

LC50	Danio rerio (zebrafish)		4,92000	mg/L	(96h)
EC50	Daphnia magna (Big water		7,50000	mg/L	(48h)
ErC50:	Algae		0,30000	mg/L	(72h)
NOEC	Daphnia magna (Big water		0,05800	mg/L	(21d)
LOEC:	Daphnia magna (Big water		0,13100	mg/L	(21d)

Aquatic toxicity

Water Hazard Class 2

WGK catalog number ---

General information

12.2 Persistence and degradability

Further details
Product is partially biodegradable.

Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Partition coefficient: n-octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

12.7 Other adverse effects

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

080112 waste paint and varnish other than those mentioned in 08 01 11

Recommendation

Package

Waste key number

Recommendation

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information

SECTION 14: Transport information

14.1 UN number or ID number

3082

14.2 UN proper shipping name

ADR, ADN Environmentally hazardous substance, liquid n.o.s.

IMDG, IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR, ADN 9

IMDG 9

IATA 9

14.4 Packing group

III

14.5 Environmental hazards

Marine Pollutant - IMDG Yes

Marine Pollutant - ADN ---

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID M6

Kemmler-number 90

Hazard label ADR 9

Limited quantities 5I

Package: Instructions P001 - IBC03 - LP01 - R001

Package: Special Provisions PP1

Special provisions for packing together MP19

Portable tanks: Instructions T4

Portable tanks: Special Provisions TP1 - TP29

Tank coding LGBV

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Tunnel restriction	-
Remarks	---
EQ	E1
Special Provisions	274 - 335 - 375 - 601

Sea transport (IMDG)

EmS	F-A, S-F
Special Provisions	274 - 335 - 969
Limited quantities	5I
Package: Instructions	P001 - LP01
Package: Special Provisions	PP1
IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T4
Tank instructions Special Provisions	TP1 - TP29
Stowage and segregation	category A
Properties and observations	---
Remarks	---
EQ	E1

Air transport (IATA-DGR)

Hazard	-
Passenger	964 (450l)
Passenger LQ	Y964 (30kg G)
Cargo	964 (450l)
ERG	9L
Remarks	---
EQ	E1
Special Provisioning	A97 - A158 - A197

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations

Europe

Contents of VOC [%]	0
Contents of VOC [g/L]	---
Further regulations, limitations and legal requirements	---

Germany

Storage class	---
Water Hazard Class	2
WGK catalog number	---
Incident regulation	---
Information on working limitations	---
Further regulations, limitations and legal requirements	---

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Switzerland

Contents of VOC [%]

Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP)

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Further information

This information is abased on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature

REGULATION (EU) 2021/849 - ATP 17

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change

Additional information

BIT - 1,2-benzisothiazol-3(2H)-one
CIT - 5-chloro-2-methyl-4-isothiazolin-3-one
MIT - 2-methyl-2H-isothiazol-3-one
OIT - 2-octyl-2H-isothiazol-3-one