

SAFETY DATA SHEET

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

series 14 - HORADAM SQUARELL

Article No.	14102	Issue date:	11.04.22
Version	5.2 (11.04.22)	Page	1 / 10

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

1.1 Product identifier

Trade name series 14 - HORADAM SQUARELL
Finest artists' water-colours
.
14 102 permanent Chinese 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.

Based on the low volume (small packaging size) and the tiny risk potential there is no labelling on the pans.

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102	Issue date:	11.04.22
Version	5.2	Page	2 / 10

Safety precautions

P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
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
gum arabic
Water

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

3.2 Mixtures

Substance 1

zinc oxide: 50 - 75 %
CAS: 1314-13-2
REACH: 01-2119463881-32-0043
Aquatic Acute 1; H400 / Aquatic Chronic 1; 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 drunk in little sips (dilution effect).
If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102	Issue date:	11.04.22
Version	5.2 (11.04.22)	Page	3 / 10

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: AGW

Protect from moisture contamination.

7.3 Specific end use(s)

SAFETY DATA SHEET

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

series 14 - HORADAM SQUARELL

Article No. 14102
Version 5.2

(11.04.22)

Issue date: 11.04.22
Page 4 / 10

No special measures necessary if stored and handled as prescribed.

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 the formation of dust, use a dust mask.

Hand protection

Protect skin by using skin protective cream.

Eye protection

Goggles

Body protection

Wear suitable protective clothing. 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 solid / pasty
Colour pigmented
Odour almost odourless

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

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102			Issue date:	11.04.22
Version	5.2	(11.04.22)		Page	5/ 10

Ignition temperature	---	---			
PH	4	6,5	---	---	
Viscosity	---	---	---	---	
Solubility		---	---	---	
Partition coefficient: n-octanol/water		---			
Vapour pressure		---	---	---	
Density and/or relative density		max. 1,25 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

No data available

In case of inhalation

No data available

After swallowing

No data available

In case of skin contact

No data available

After eye contact

No data available

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No. 14102
Version 5.2

(11.04.22)

Issue date: 11.04.22
Page 6/ 10

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102	Issue date:	11.04.22
Version	5.2 (11.04.22)	Page	7 / 10

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

Inland waterway craft (ADN)

Hazard label ---
Limited quantities ---

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102	Issue date:	11.04.22
Version	5.2	Page	8 / 10
			(11.04.22)

Transport permitted	---
Equipment necessary	---
Ventilation	---
Remarks	---
EQ	---
Special Provisions	---

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 (450I)
Passenger LQ	Y964 (30kg G)
Cargo	964 (450I)
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	---

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102	Issue date:	11.04.22
Version	5.2 (11.04.22)	Page	9 / 10

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]

Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Japan

Further regulations, limitations and legal requirements

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.

Further information

This information is based 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

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

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102		Issue date:	11.04.22
Version	5.2	(11.04.22)	Page	10/ 10

CIT - 5-chloro-2-methyl-4-isothiazolin-3-one

MIT - 2-methyl-2H-isothiazol-3-one

OIT - 2-octyl-2H-isothiazol-3-one