

SAFETY DATA SHEET

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

series 14 - HORADAM SQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	1 / 8

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

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-Str. 2
D - 40699 Erkrath
Tel. +49 (0) 211-2509-0
Fax. +49 (0) 211-2509-497
info@schmincke.de
www.schmincke.de

Department responsible for information

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

1.4 Emergency telephone number

**Emergency
Information
Phone #**

**Emergencycall Berlin
(24h - counseling in german and english)
+49 (0) 30-30686700**

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

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	2 / 8

labelling on the pans.

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.

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

pigment
gum arabic
Water

CAS-Number
EINECS / ELINCS / NLP
EU index 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.

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	3 / 8

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

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: 5 - 30 °C

Protect from moisture contamination.

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	4 / 8

1314-13-2 zinc oxide

DEU	E-dust	1,250	mg/m ³	4(I)
DEU		10,000	mg/m ³	2(II)

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	
Initial boiling point and boiling range			
Melting point/freezing point			
Flash point/flash point range			
Flammability			
Ignition temperature			
Auto-ignition temperature			
Explosion limits			
Refraction index			
PH value	4	6,5	
Viscosity			
Viscosity			
Vapour pressure			
Density		max. 1,25 kg/l	20 °C
Partition coefficient: n-octanol/water			

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

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	5/ 8

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 toxicological effects

Toxicological tests

1314-13-2 zinc oxide

oral	LD50	Rat	>	10000,00000	mg/kg	-
inhalative	LC50	Rat	>	5,70000	mg/L	(4h)

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

Practical experience

General remarks

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

1314-13-2 zinc oxide

EC50	Algae		0,17000	mg/L	(72h)
------	-------	--	---------	------	-------

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 Other adverse effects

General information

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	6 / 8

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

Contaminated packaging

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

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

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID M6
Kemmler-number 90
Hazard label ADR 9
Limited quantities 5I
Contaminated packaging: Instructions P001 - IBC03 - LP01 - R001
Contaminated packaging: 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

Sea transport (IMDG)

EmS F-A, S-F
Special provisions 274 - 335 - 969
Limited quantities 5I
Contaminated packaging: Instructions P001 - LP01

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	7 / 8

Contaminated packaging: 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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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	

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

SAFETY DATA SHEET

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

series 14 - HORADAM AQUARELL

Article No.	14102001	permanent Chinese white	Issue date:	29.01.20
Version	5.1	(29.01.20)	Page	8 / 8

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

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

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

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