

# SAFETY DATA SHEET

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

## series 14 - HORADAM SQUARELL

Article No.	14230 / 14481 / 14486	Issue date:	11.04.22
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### 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  
.  
14 230 Naples yellow reddish  
14 481 cerulean blue hue  
14 486 cobalt blue hue

**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**  
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#### 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 Chronic 2; H411 Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling



##### Signal word

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##### Hazard statements

H411 Toxic to aquatic life with long lasting effects.

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

## 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 14 230 PW6, PW4, PR242, PY42  
14 481 PW4, PB15:3  
14 486 PW4, PB29

### 3.2 Mixtures

Substance 1
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zinc oxide: 5 - 25 %  
CAS: 1314-13-2  
REACH: 01-2119463881-32-0043  
Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

#### Additional information

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## 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.

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### 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

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## 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

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#### Additional information

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## 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

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### 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

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### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storerooms and containers

Keep container tightly closed.

#### Hints on joint storage

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#### Storage class

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#### Further details

storage temperature: AGW

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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

1314-13-2 zinc oxide

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

### DNEL overview

1314-13-2 zinc oxide

DNEL worker	Long-term - inhalation, systemic effects	5,00000	mg/m <sup>3</sup>
DNEL worker	Long-term - inhalation, local effects	0,50000	mg/m <sup>3</sup>
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 <sup>3</sup>
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

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#### 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

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	---	---

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boiling range  
Flammability ---  
Explosion limits ---  
Flash point/flash point range ---  
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

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## 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

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### 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	IC50	Rat	>	5,70000	mg/L	(4h)

#### Toxicokinetics, metabolism and distribution

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#### Acute toxicity

No data available

#### In case of inhalation

No data available

#### After swallowing

No data available

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### In case of skin contact

No data available

### After eye contact

No data available

### Practical experience

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### General remarks

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### 11.2 Information on other hazards

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## 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

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#### Water Hazard Class

2

#### WGK catalog number

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#### General information

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### 12.2 Persistence and degradability

#### Further details

Product is partially biodegradable.

#### Oxygen demand

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### 12.3 Bioaccumulative potential

#### Bioconcentration factor (BCF)

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#### Partition coefficient: n-octanol/water

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### 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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### 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  
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Recommendation  
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##### Package

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

##### Additional information

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### 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

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Special Provisions 274 - 335 - 375 - 601

### Inland waterway craft (ADN)

Hazard label ---  
Limited quantities ---  
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  
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##### Germany

Storage class ---  
Water Hazard Class 2  
WGK catalog number ---  
Incident regulation ---



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### Information on working limitations

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### Further regulations, limitations and legal requirements

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### Denmark

#### Further regulations, limitations and legal requirements

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### Hungary

#### Further regulations, limitations and legal requirements

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### Great Britain

#### Further regulations, limitations and legal requirements

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### Switzerland

#### Contents of VOC [%]

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#### Further regulations, limitations and legal requirements

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### USA

#### Further regulations, limitations and legal requirements

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#### Federal Regulations

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#### State Regulations

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### Japan

#### Further regulations, limitations and legal requirements

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### Canada

#### Further regulations, limitations and legal requirements

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## 15.2 Chemical Safety Assessment

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## 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 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**

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For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter

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R.20 (Table of terms and abbreviations).

### Reason of change

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### 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