

**SAFETY DATA SHEET**

00323-4141

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

**series 14 - HORADAM SQUARELL**

<b>Article No.</b>	14230 / 14481 / 14486	<b>Issue date:</b>	01.02.23
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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**  
 ---

**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** -

**Hazard statements**

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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	---
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**

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.

**After swallowing**

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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** 141, 00323-5171

storage temperature: AGW

Protect from moisture contamination.

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**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**

<b>Form</b>	solid / pasty
<b>Colour</b>	pigmented
<b>Odour</b>	almost odourless

	min	max
<b>Melting point/freezing point</b>	---	---
<b>Initial boiling point and boiling range</b>	---	---

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<b>Flammability</b>	---	---	---	---
<b>Explosion limits</b>	---	---	---	---
<b>Flash point/flash point range</b>	---	---	---	---
<b>Ignition temperature</b>	---	---	---	---
<b>PH</b>	4	6,5	---	---
<b>Viscosity</b>	---	---	---	---
<b>Solubility</b>	---	---	---	---
<b>Partition coefficient:</b>	---	---	---	---
<b>n-octanol/water</b>	---	---	---	---
<b>Vapour pressure</b>	---	---	---	---
<b>Density and/or relative density</b>	---	max. 1,25 kg/l	20 °C	---
<b>Relative vapour density</b>	---	---	---	---

<b>Auto-ignition temperature</b>	---	---	---
<b>Refraction index</b>	---	---	---

**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	LC50	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

**In case of skin contact**

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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**

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**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**

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**EQ**

E1

**Special Provisions**

274 - 335 - 375 - 601

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**Sea transport (IMDG)**

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

**Air transport (IATA-DGR)**

<b>Hazard</b>	-
<b>Passenger</b>	964 (450l)
<b>Passenger LQ</b>	Y964 (30kg G)
<b>Cargo</b>	964 (450l)
<b>ERG</b>	9L
<b>Remarks</b>	---
<b>EQ</b>	E1
<b>Special Provisioning</b>	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**

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

**Germany**

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

**Switzerland**

<b>Contents of VOC [%]</b>	---
<b>Further regulations, limitations and legal requirements</b>	---



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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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### 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 a 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 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

~~The information in this data sheet has been established to our best knowledge and was up to date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.~~