

**SAFETY DATA SHEET**

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

**series 14 - HORADAM SQUARELL  
(zinc oxide / triarylcarbonium)**

<b>Article No.</b>		<b>Issue date:</b>	<b>16.12.15</b>
<b>Version</b>	<b>2 ( 16.12.15 )</b>	<b>Page</b>	<b>1 / 9</b>

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Trade name** series 14 - HORADAM SQUARELL  
 .  
 zinc oxide  
 14 230 Naples yellow reddish  
 14 481 cerulean blue hue  
 14 486 cobalt blue hue  
 triarylcarbonium-pigment  
 14 910 brilliant blue violet  
 14 930 brilliant purple  
 14 940 brilliant red violet

**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

**Dept. responsible for information**  
 Schmincke-lab:  
 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) 30-30686790**

**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 (CLP)**

**Signal word** not required

**Hazard statements**

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H411 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.  
 P273 Avoid release to the environment.  
 P391 Collect spillage.

**2.3 Other hazards**

Contains 1,2-Benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction. (EUH208)

**SECTION 3: Composition / information on ingredients****3.1 Substances****Chemical characterization**

pigment  
 gum arabic solution  
 Water  
 CAS-Number  
 EINECS / ELINCS / NLP  
 EU index number  
 Customs tariff number  
 REACH registration No.  
 RTECS-no.  
 Hazchem-Code  
 CI-Number

14 230 PW4 PW6 PR242 PY42  
 14 481 PW4 PB15:1  
 14 486 PW4 PB29  
 14 910 PV3  
 14 930 PR81:2  
 14 940 PV1

**3.2 Mixtures****Substance 1**

zinc oxide: < 25 %  
 CAS-Number: 1314-13-2  
 REACH registration No.: 01-2119463881-32-0043  
 Classification according to EC regulation 1272/2008 (CLP):  
 Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

**Substance 2**

triarylcarbonium: < 15 %  
 Classification according to EC regulation 1272/2008 (CLP):  
 Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

**Additional information****SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

No special measures are required.  
 If you feel unwell, seek medical advice (show the label where possible).

**In case of inhalation**

No special measures are required.  
 If you feel unwell, seek medical advice (show the label where possible).

**In case of skin contact**

Thoroughly wash skin with soap and water.

Item Numbers: 00323-001, 00323-002, 00323-003, 00323-004, 00323-005, 00323-006, 00323-007, 00323-008

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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). Get medical advice/attention if you feel unwell.

**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**

water High power water jet

**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**

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

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**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**

1314-13-2 zinc oxide

DEU	not required	2,000	mg/m <sup>3</sup>	2(I) - inhalativ
DEU	WEL	0,100	mg/m <sup>3</sup>	4(I) - alveolengängig

**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**

**Physical state** 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**

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

**Explosive properties**

**Vapour pressure**

**Density** max. 20 °C

1,25 kg/l

**PH value** 4 6,5

**Viscosity dynamic of**

**Viscosity dynamic up to**

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**Viscosity kinematic of**  
**Viscosity kinematic up to**

**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 toxicological effects****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****Toxicological tests**

1314-13-2

zinc oxide

oral	LD50	Rat		10000,000	mg/kg	-
inhalative	LC50	Rat		5,700	mg/L	(4h)

triarylcarbonium

oral	LD50	Rat		2500,000	mg/kg	-
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**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity****Water Hazard Class**

1

**WGK catalog number****General information**

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

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**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****Ecotoxicological effects**

1314-13-2 zinc oxide

EC50	Algae		0,170	mg/L	(72h)
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triarylcarbonium

LC50	fish		100,000	mg/L	-
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**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product****Waste key number**

080112

080112 waste paint and varnish other than those mentioned in 080111

**Recommendation****Contaminated packaging****Waste key number****Recommendation****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 00323-5001, 00323-5171, 00323-5191

Yes

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Marine Pollutant - ADN

**14.6 Special precautions for user****Land transport**

<b>Code: ADR/RID</b>	M6
<b>Kemmler-number</b>	90
<b>Hazard label ADR</b>	9
<b>Limited quantities</b>	5I
<b>Contaminated packaging: Instructions</b>	P001 - IBC03 - LP01 - R001
<b>Contaminated packaging: Special provisions</b>	PP1
<b>Special provisions for packing together</b>	MP19
<b>Portable tanks: Instructions</b>	T4
<b>Portable tanks: Special provisions</b>	TP1 - TP29
<b>Tank coding</b>	LGBV
<b>Tunnel restriction</b>	E
<b>Remarks</b>	
<b>EQ</b>	E1
<b>Special provisions</b>	274 - 335 - 375 - 601

**Inland waterway craft**

<b>Hazard label</b>	
<b>Limited quantities</b>	
<b>Transport permitted</b>	
<b>Equipment necessary</b>	
<b>Ventilation</b>	
<b>Remarks</b>	
<b>EQ</b>	
<b>Special provisions</b>	

**Sea transport**

<b>EmS</b>	F-A, S-F
<b>Special provisions</b>	274 - 335 - 969
<b>Limited quantities</b>	5I
<b>Contaminated packaging: Instructions</b>	P001 - LP01
<b>Contaminated packaging: 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>	TP2 - TP29
<b>Stowage and segregation</b>	category A
<b>Properties and observations</b>	
<b>Remarks</b>	
<b>EQ</b>	E1

**Air transport**

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

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**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 1  
 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**

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.  
 H411 Toxic to aquatic life with long lasting effects.

Item Numbers: 00323-3001, 00323-4501, 00323-5001, 00323-5171, 00323-9181



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**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**

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.

Item Numbers: 00323-3001, 00323-4501, 00323-5001, 00323-5171, 00323-5191