

# MATERIAL SAFETY DATA SHEET

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

## series 12 - HORADAM GOUACHE

Article No.	12102011 titanium white	Issue date:	21.01.20
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name series 12 - HORADAM GOUACHE  
finest artists' Gouache

#### 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-Labor:  
Mo-Do 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)

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2 Label elements

##### Labelling

##### Signal word

##### Hazard components for labelling

##### Hazard statements

no hazard labelling required

##### Safety precautions

#### 2.3 Other hazards

### SECTION 3: Composition / information on ingredients

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### 3.1 Substances

#### Chemical characterisation

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

### 3.2 Mixtures

#### Additional information

The colour 12103 contains zinc oxide. (see separate safety data sheet)  
The colours 12 224, 12 228, 12 232, 12 236, 12 344, 12 346, 12 348 contain cadmium-containing pigments. The use of cadmium containing pigments is limited to artist colors.

further information: see appendix

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

##### In case of inhalation

No special measures are required. Seek medical treatment in case of troubles.

##### In case of skin contact

Remove residues 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.

In case of troubles or persistent symptoms, consult an ophthalmologist.

##### After swallowing

Rinse mouth immediately and drink plenty of water. Seek medical treatment in case of troubles.

### 4.2 Most important symptoms and effects, both acute and delayed

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use extinguishing material as appropriate for the surrounding area.

#### Extinguishing media which must not be used for safety reasons

Full water jet

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### **5.2 Special hazards arising from the substance or mixture**

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.

Additional information

### **6.4 Reference to other sections**

Disposal: see 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

No special fire protection measures are necessary.

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

Requirements for storerooms and containers

storage temperature: 10 - 30 °C

Hints on joint storage

Storage class

Further details

### **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**

### **8.2 Exposure controls**

#### **Occupational exposure controls**

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection must be worn whenever the WEL levels have been exceeded. Particle filter device (DIN EN 143)

Hand protection

Protect skin by using skin protective cream.

Eye protection

Tightly sealed safety glasses.

Body protection

Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

General protection and hygiene measures

Wash hands before breaks and after work.

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### SECTION 9: Physical and chemical properties

#### 9.1 information on basic physical and chemical properties

Form 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	5,5	6,5	
Viscosity			
Viscosity			
Vapour pressure			
Density		1,3 - 2,4 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

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid

heat and frost

#### 10.5 Incompatible materials

strong oxidizing agents

#### 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

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No data available

### Practical experience

### General remarks

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity  
Water Hazard Class 1  
WGK catalog number  
General information

### 12.2 Persistence and degradability

Further details  
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

## 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

### 14.2 UN proper shipping name

ADR, ADN No dangerous good in sense of these transport regulations.  
IMDG, IATA

### 14.3 Transport hazard class(es)

ADR, ADN  
IMDG  
IATA

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### 14.4 Packing group

### 14.5 Environmental hazards

Marine Pollutant - IMDG  
Marine Pollutant - ADN

### 14.6 Special precautions for user

#### Land transport (ADR/RID)

Code  
Kemmler-number  
Hazard label ADR  
Limited quantities  
Contaminated packaging: Instructions  
Contaminated packaging: Special provisions  
Special provisions for packing together  
Portable tanks: Instructions  
Portable tanks: Special provisions  
Tank coding  
Tunnel restriction  
Remarks  
EQ  
Special provisions

#### Inland waterway craft (ADN)

Hazard label  
Limited quantities  
Transport permitted  
Equipment necessary  
Ventilation  
Remarks  
EQ  
Special provisions

#### Sea transport (IMDG)

EmS  
Special provisions  
Limited quantities  
Contaminated packaging: Instructions  
Contaminated packaging: Special provisions  
IBC: Instructions  
IBC: Provisions  
Tank instructions IMO  
Tank instructions UN  
Tank instructions Special provisions  
Stowage and segregation  
Properties and observations  
Remarks  
EQ

#### Air transport (IATA-DGR)

Hazard  
Passenger  
Passenger LQ  
Cargo  
ERG  
Remarks

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EQ  
Special Provisioning

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

## SECTION 15: Regulatory information

**Bezeichner in aktueller Sprache fehlt!**

### National regulations

#### Europe

Contents of VOC [%]  
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 [%]  
0 %  
Further regulations, limitations and legal requirements

#### USA

Further regulations, limitations and legal requirements  
Federal Regulations  
State Regulations  
Signal Word  
Principal Hazards  
Hazardous Ingredients

Hazard Statement  
Precaution Statement  
First aid Statements  
Children 's Statement  
Required Statements

#### Japan

Further regulations, limitations and legal requirements

#### Canada

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Further regulations, limitations and legal requirements

### 15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Further information

#### Hazard statements (CLP)

#### 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



## Appendix for material safety data sheet no.: 12 000 000

### HORADAM® Gouache

art.nr.	art.name	C.I.		CAS-nr.
12102	titanium white	PW6	Titanium dioxide	13463-67-7
12220	lemon yellow	PY3	Monoazo	6486-23-3
12222	vanadium yellow	PY184	Bismuth vanadate	14059-33-7
12226	cadmium yellow hue	PY154	Benzimidazolone	68134-22-5
12230	Indian yellow	PY153	Nickel-complex	68859-51-8
12234	cadmium orange hue	PO62	Benzimidazolone	75601-68-2
12236	cadmium orange	PO20	Cadmium sulfo-selenide	12656-57-4
12340	vermilion hue	PR255	Diketo-pyrrolo-pyrrol	120500-90-5
12350	scarlet	PR254	Diketo-pyrrolo-pyrrol	122390-98-1
12352	carmine	PV19	Quinacridone	1047-16-1
12354	madder lake deep	PR83:1	Antraquinone, Al	72-78-0
12356	madder lake dark	PV19; PR179	Quinacridone; Perylen	1047-16-1; 5521-31-3
12358	purple magenta	PR122	Quinacridone	980-26-7
12360	quinacridone violet	PV19	Quinacridone	1047-16-1
12460	violet	PV23	Dioxazine	6358-30-1
12462	Delft blue	PB60	Indanthrone	81-77-6
12464	ultramarine deep	PB29	Sodium aluminum silicate	57455-37-5
12466	cobalt blue deep	PB74; PB28	Phenacite (Co, Zn, Si); Spinel (Co, Al)	68412-74-8; 1345-16-0
12468	ultramarine light	PB29	Sodium aluminum silicate	57455-37-5
12470	cobalt blue light	PB28	Spinel (Co, Al)	1345-16-0
12472	dark blue indigo	PB60	Indanthrone	81-77-6
12474	helio blue	PB15:3	Phthalocyanine (Cu)	147-14-8
12476	Prussian blue	PB27	Iron-cyan-complex	14038-43-8; 25869-98-1
12478	helio turquoise	PB16	Phthalocyanine	574-93-6
12520	helio green bluish	PG7	Phthalocyanine (Cu, Cl)	1328-53-6
12522	chromium oxide green brilliant	PG18	Hydrated chromium oxide	12001-99-9
12524	helio green yellowish	PG36	Phthalocyanine complex (Cu, Cl, Br)	14302-13-7
12526	cobalt green light	PG19	Spinel (Co, Zn)	8011-87-8
12528	cobalt green deep	PG26	Spinel (Co,Cr)	68187-49-5
12530	chromium oxide green	PG17	Hematite (Cr)	1308-38-9
12532	olive green	PG36; PO62	Phthalocyanine complex (Cu, Cl, Br); Benzimidazolone	14302-13-7; 75601-68-2
12640	titanium gold ochre	PBr24	Rutile (Ti, Cr, Sb)	68186-90-3
12642	raw umber	PBr7; PY42	Earth pigment; Hydrated iron oxide	-; 20344-49-4
12644	raw Sienna	PY119; PBk9	Spinel (Zn, Fe); Am. carbonized bones of animals	68186-90-3; 8021-99-6
12646	English red	PR101	Iron oxide	1309-37-1
12648	burnt Sienna	PBr7; PBr33; PR101	Earth pigment; Spinel (Zn,Fe,Cr); Iron oxide	-; 68186-88-9; 1309-37-1
12650	burnt umber	PR254; PY42/PR101/PBk11; PBk7	Diketo-pyrrolo-pyrrol; Hydrated iron oxide; Lamp black	122390-98-1; 20344-49-4; 1333-86-4
12652	Vandyke brown	PG23; PBk7; PBr7	Silicate (Al, Fe); Lamp black; Earth pigment	1344-98-5; 1333-86-4; -

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### HORADAM<sup>®</sup> Gouache

art.nr.	art.name	C.I.	CAS-nr.
12785	neutral grey	PR255; PB60; PO62	Diketo-pyrrolo-pyrrol; Indanthrone; Benzimidazolone
12787	ivory black	PBk1; PBk9	Anilin black; Am. carbonized bones of animals