

# SAFETY DATA SHEET

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

## series 11 - NORMA Professional

Article No.  
Version 4 ( 02.05.18 )

Issue date: 02.05.18  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name series 11 - NORMA Professional  
finest artists' oil-colours

#### 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

<b>Emergency Information</b> <b>Phone #</b>	<b>Emergencycall Berlin</b> <b>(24h - counseling in german and english)</b> <b>+49 (0) 30-30686700</b>
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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

no hazard labelling required

#### 2.2 Label elements

##### Labelling (CLP)

##### Signal word

##### Hazard statements

no hazard labelling required

##### Safety precautions

#### 2.3 Other hazards

### SECTION 3: Composition / information on ingredients

#### 3.1 Substances

Chemical characterisation  
oil  
pigment  
siccative  
CAS-Number

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EINECS / ELINCS / NLP  
EU index number  
Customs tariff number  
REACH registration No.  
RTECS-no.  
Hazchem-Code  
CI-Number

### 3.2 Mixtures

#### Substance 1

zinc oxide: 0 - 70 5  
CAS: 1314-13-2  
REACH: 01-2119463881-32-0043  
Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

#### Substance 2

2,2,4,6,6-pentamethylheptane: 1 - 5 %  
CAS: 13475-82-6  
REACH: 01-2119490725-xxx  
Aquatic Chronic 4; H413 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226

#### Substance 3

hydrocarbons, C10-C12, isoalkanes, <2% aromatics: 0,5 - 1,5 %  
CAS: 64741-65-7  
REACH: 01-2119471991-xxxx  
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226

#### Additional information

The colours 11 112, 114, 118, 220, 222, 234, 240, 302, 312, 348, 412, 422, 424 contain zinc oxide. (see section 12)  
The colours 11 222, 238, 240, 242, 244, 300, 310, 312, 314 contain cadmium-containing pigments. The use of cadmium containing pigments is limited to artist colors.  
Further information: annex

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

No special measures are required.

#### In case of inhalation

Seek medical attention if problems persist.

#### In case of skin contact

Remove residues with soap and water. Seek medical attention if irritation persists.

#### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

#### After swallowing

Rinse mouth with 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

## 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

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

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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 - 40 °C

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

### 8.2 Exposure controls

#### 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

Avoid contact with eyes.

Body protection

Wash contaminated clothing prior to re-use.

General protection and hygiene measures

No special handling advices are necessary. Wash hands thoroughly after handling.

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### SECTION 9: Physical and chemical properties

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

Form pasty  
Colour pigmented  
Odour weak

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  
Danger of explosion

Vapour pressure  
Density 1,2 - 2,4 g/ml 20 °C  
PH value

Viscosity dynamic of  
Viscosity dynamic up to

Viscosity kinematic of  
Viscosity kinematic up to

#### 9.2 Other information

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid

frost and heat

#### 10.5 Incompatible materials

#### 10.6 Hazardous decomposition products

1314-13-2 zinc oxide

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

64741-65-7 hydrocarbons, C10-C12, isoalkanes, <2% aromatics

oral	LD50	Rat	>	5000,000	mg/kg	-
dermal	LD50	mg/kg	>	5000,000	Rat	-

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

##### In case of inhalation

No data available

##### After swallowing

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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

EC50	Algae		0,170	mg/l	(72h)
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64741-65-7 hydrocarbons, C10-C12, isoalkanes, <2% aromatics

LC50	fish	>	100,000	mg/l	-
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EC50	Daphnia magna (Big water)	>	100,000	mg/l	-
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## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity**

EC50 Desmodesmus subspicatus :  $\geq 114,2$  mg/l ... for all zinc oxide containing colours (Hydrotox; 05/2224)

**Water Hazard Class**

1

**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**

### Ecotoxicological effects

## 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**

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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

### 14.4 Packing group

### 14.5 Environmental hazards

Marine Pollutant - IMDG  
Marine Pollutant - ADN

### 14.6 Special precautions for user

#### Land transport

Code: ADR/RID  
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

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

#### Sea transport

EmS  
Special provisions  
Limited quantities  
Contaminated packaging: Instructions  
Contaminated packaging: Special provisions  
IBC: Instructions  
IBC: Provisions

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Tank instructions IMO  
Tank instructions UN  
Tank instructions Special provisions  
Stowage and segregation  
Properties and observations  
Remarks  
EQ

### Air transport

Hazard  
Passenger  
Passenger LQ  
Cargo  
ERG  
Remarks  
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

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 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 [%]  
< 5 %  
Further regulations, limitations and legal requirements

##### USA

Further regulations, limitations and legal requirements  
Federal Regulations

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### 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

<b>Hazard statements (CLP)</b>	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. 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. H413 May cause long lasting harmful effects to aquatic life.
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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.



## Appendix for material safety data sheet no.: 11 000 000

Norma® Professional

art.nr.	art.name	C.I.		CAS-nr.
11110	translucent white	PW6	Titanium dioxide	13463-67-7
11112	zinc white	PW4	Zinc oxide	1314-13-2
11114	titanium white	PW6; PW4	Titanium dioxide; Zinc oxide	13463-67-7; 1314-13-2
11116	opaque white	PW7	Zinc sulphide	1314-98-3
11118	zinc titanium white	PW6; PW4	Titanium dioxide; Zinc oxide	13463-67-7; 1314-13-2
11220	flesh tint	PW6; PW4; PR101; PY42	Titanium dioxide; Zinc oxide; Iron oxide; Hydrated iron oxide	13463-67-7; 1314-13-2; 1309-37-1; 20344-49-4
11222	Naples yellow reddish	PW6; PW4; PO20; PY53	Titanium dioxide; Zinc oxide; Cadmium sulfo-selenide; Rutile (Ti, Ni, Sb)	13463-67-7; 1314-13-2; 12656-57-4; 8007-18-9
11224	Naples yellow deep	PBr24	Rutile (Ti, Cr, Sb)	68186-90-3
11226	Naples yellow light	PY53; PBr24	Rutile (Ti, Ni, Sb); Rutile (Ti, Cr, Sb)	8007-18-9; 68186-90-3
11228	chrome yellow hue light	PY216	Rutile (Zn, Sn)	85536-73-8
11230	chrome yellow hue middle	PY216	Rutile (Zn, Sn)	85536-73-8
11232	chrome yellow hue deep	PY216	Rutile (Zn, Sn)	85536-73-8
11234	brilliant yellow light	PW4; PBr24; PY53	Zinc oxide; Rutile (Ti, Cr, Sb); Rutile (Ti, Ni, Sb)	1314-13-2; 68186-90-3; 8007-18-9
11236	lemon yellow	PY3	Monoazo	6486-23-3
11238	cadmium yellow lemon	PY35	Cadmium-zinc-sulphide	8048-07-5; 7727-43-7
11240	cadmium yellow mix	PW6; PW4; PY35	Titanium dioxide; Zinc oxide; Cadmium-zinc-sulphide	13463-67-7; 1314-13-2; 8048-07-5; 7727-43-7
11242	cadmium yellow light	PY35	Cadmium-zinc-sulphide	8048-07-5; 7727-43-7
11244	cadmium yellow deep	PO20	Cadmium sulfo-selenide	12656-57-4
11246	brilliant yellow	PY155	Disazo	68516-73-4
11248	Indian yellow	PY153	Nickel-complex	68859-51-8
11300	cadmium orange	PO20	Cadmium sulfo-selenide	12656-57-4
11302	brilliant orange	PW4; PY184; PO67	Zinc oxide; Bismuth vanadate; Pyrazolochinazolone	1314-13-2; 14059-33-7; 74336-59-7
11304	poppy red	PO71	Diketo-pyrrolo-pyrrol	71832-85-4
11306	vermillion red light	PO67; PR255	Pyrazolochinazolone; Diketo-pyrrolo-pyrrol	74336-59-7; 120500-90-5
11308	vermillion red deep	PR255; PO62	Diketo-pyrrolo-pyrrol; Benzimidazolone	120500-90-5; 75601-68-2
11310	cadmium red light	PO20	Cadmium sulfo-selenide	12656-57-4
11312	cadmium red mix	PO20; PW4	Cadmium sulfo-selenide; Zinc oxide	12656-57-4; 1314-13-2
11314	cadmium red deep	PR108	Cadmium sulfo-selenide	58339-34-7; 7727-43-7
11316	madder light	PR207	Quinacridone	1047-16-1; 1503-48-6
11318	madder red	PR207; PR264	Quinacridone; Diketo-pyrrolo-pyrrol	1047-16-1; 1503-48-6; -
11320	madder ruby	PR264	Diketo-pyrrolo-pyrrol	-
11342	Alizarin crimson hue	PR179	Perylen	5521-31-3
11344	carmine red	PR179; PV19	Perylen; Quinacridone	5521-31-3; 1047-16-1
11346	ruby red	PR122	Quinacridone	980-26-7
11348	magenta	PR122; PW4	Quinacridone; Zinc oxide	980-26-7; 1314-13-2
11350	cobalt violet hue			

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Norma® Professional

art.nr.	art.name	C.I.		CAS-nr.
11352	violet dark	PV23	Dioxazine	6358-30-1
11400	indanthrene blue	PB60	Indanthrone	81-77-6
11402	ultramarine blue deep	PB29	Sodium aluminum silicate	57455-37-5
11404	ultramarine blue light	PB29	Sodium aluminum silicate	57455-37-5
11406	royal blue	PW6; PB29	Titanium dioxide; Sodium aluminum silicate	13463-67-7; 57455-37-5
11408	cobalt blue deep	PB74	Phenacite (Co, Zn, Si)	68412-74-8
11410	cobalt blue light	PB28	Spinel (Co, Al)	1345-16-0
11412	cobalt blue hue	PB29; PW4; PB15:6	Sodium aluminum silicate; Zinc oxide; Phthalocyanine (Cu)	57455-37-5; 1314-13-2; 147-14-8
11414	cobalt cerulean blue	PB35	Spinel (Co, Sn)	68187-05-3
11416	indigo	PB60; PR101	Indanthrone; Iron oxide	81-77-6; 1309-37-1
11418	Prussian blue	PB27	Iron-cyan-complex	14038-43-8; 25869-98-1
11420	phthalo blue	PB15:3	Phthalocyanine (Cu)	147-14-8
11422	cerulean blue	PW4; PW6; PB15:3; PG18	Zinc oxide; Titanium dioxide; Phthalocyanine (Cu); Hydrated chromium oxide	1314-13-2; 13463-67-7; 147-14-8; 12001-99-9
11424	azure blue	PW6; PW4; PB15:3	Titanium dioxide; Zinc oxide; Phthalocyanine (Cu)	13463-67-7; 1314-13-2; 147-14-8
11426	cobalt turquoise	PG50	Spinel (Co, Ni, Zn, Ti)	68186-85-6
11500	phthalo green	PG7	Phthalocyanine (Cu, Cl)	1328-53-6
11502	chromium oxide green brill.	PG18	Hydrated chromium oxide	12001-99-9
11504	emerald green	PG18; PW6; PG36; PG50	Hydrated chromium oxide; Titanium dioxide; Phthalocyanine complex (Cu, Cl, Br); Spinel (Co, Ni, Zn, Ti)	12001-99-9; 13463-67-7; 14302-13-7; 68186-85-6
11506	Schweinfurt green hue	PY216; PB28; PG19; PG18	Rutile (Zn, Sn); Spinel (Co, Al); Spinel (Co, Zn); Hydrated chromium oxide	85536-73-8; 1345-16-0; 8011-87-8; 12001-99-9
11508	permanent green	PY151; PG7	Benzimidazolone; Phthalocyanine (Cu, Cl)	61036-28-0; 1328-53-6
11510	permanent yellowish-green	PY184; PB36; PY150	Bismuth vanadate; Spinel (Co, Al, Cr); Azo-nickel-complex	14059-33-7; 68187-11-1; 68511-62-6
11512	olive green	PY42; PB60; PY150	Hydrated iron oxide; Indanthrone; Azo-nickel-complex	20344-49-4; 81-77-6; 68511-62-6
11514	sap green	PB60; PY150	Indanthrone; Azo-nickel-complex	81-77-6; 68511-62-6
11516	chromium oxide green	PG17	Hematite (Cr)	1308-38-9
11518	green earth	PY42; PBr7/PG23; PG18	Hydrated iron oxide; Earth pigment; Hydrated chromium oxide	20344-49-4; -, 12001-99-9
11600	raw light ochre	PY42; PBr7/PG23; PG18	Hydrated iron oxide; Earth pigment; Hydrated chromium oxide	20344-49-4; -, 12001-99-9
11600	raw light ochre	PY42/PY43	Hydrated iron oxide	20344-49-4
11602	yellow ochre	PY42; PBr24	Hydrated iron oxide; Rutile (Ti, Cr, Sb)	20344-49-4; 68186-90-3
11604	translucent ochre	PY42	Hydrated iron oxide	20344-49-4
11606	golden ochre	PY42; PBr7/PY43	Hydrated iron oxide; Earth pigment	20344-49-4; -
11608	raw Sienna	PY42/PY43	Hydrated iron oxide	20344-49-4
11610	burnt Sienna	PBr7	Earth pigment	-
11612	English red	PR101	Iron oxide	1309-37-1
11614	red earth	PR101	Iron oxide	1309-37-1
11616	caput mortuum	PR101	Iron oxide	1309-37-1
11618	translucent red brown	PR101	Iron oxide	1309-37-1

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11620	agate brown	PR101	Iron oxide	1309-37-1
11622	raw umber	PBr7	Earth pigment	-
11624	burnt umber	PBr7	Earth pigment	-
11626	Vandyke brown	PR101; PR179; PBk7	Iron oxide; Perylen; Lamp black	1309-37-1; 5521-31-3; 1333-86-4
11700	neutral black	PR179; PG7	Perylen; Phthalocyanine (Cu, Cl)	5521-31-3; 1328-53-6
11702	black iron oxide	PBk11	Iron oxide black	1317-61-9
11704	ivory black	PBk9	Am. carbonized bones of animals	8021-99-6
11706	Payne's grey	PBk9; PV23; PB29	Am. carbonized bones of animals; Dioxazine; Sodium aluminum silicate	8021-99-6; 6358-30-1; 57455-37-5
11708	warm grey	PW6; PG17; PR101	Titanium dioxide; Hematite (Cr); Iron oxide	13463-67-7; 1308-38-9; 1309-37-1
11710	cold grey	PW6; PBk11; PG18; PY42	Titanium dioxide; Iron oxide black; Hydrated chromium oxide; Hydrated iron oxide	13463-67-7; 1317-61-9; 12001-99-9; 20344-49-4
11800	silver		Aluminum	-
11802	classic gold		Mica	-
11804	bronze		Mica	-