

# MATERIAL SAFETY DATA SHEET 01902-1030

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

## pigments - zinc white

<b>Article No.</b>	18105055zinc white	<b>Issue date:</b>	22.01.20
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name** 18 105 - zinc white

#### 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)

Aquatic Acute 1; H400 Very toxic to aquatic life.  
 Aquatic Chronic 1; H410 Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling



**Signal word** Warning

##### Hazard components for labelling

##### Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

##### Item Numbers: 01902-1030 Safety precautions

P260 Do not breathe dust.

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P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/container to industrial incineration plant.

**2.3 Other hazards****SECTION 3: Composition / information on ingredients****3.1 Substances****Chemical characterisation**

zinc oxide	
CAS-Number	1314-13-2
EINECS / ELINCS / NLP	
EU index number	
Customs tariff number	
REACH registration No.	01-2119463881-32-XXXX
RTECS-no.	
Hazchem-Code	
CI-Number	PW 4 - zinc oxide
CI-Number	PW 4 - zinc oxide

**3.2 Mixtures****Additional information****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**

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

**In case of skin contact**

Wash with plenty of soap and water. May cause sensitisation especially in sensitive humans. Frequently or prolonged contact with skin may cause dermal irritation.

**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 thoroughly 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**

Item Numbers: 01902,1030

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

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

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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

Additional information

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Do not breathe dust. Avoid contact with eyes and skin.

**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

Additional information

Collect dry and place in appropriate containers for disposal. Subsequent cleaning.

**6.4 Reference to other sections****SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advices on safe handling

Avoid dust formation. Do not breathe dust.

Avoid contact with skin.

Always close containers tightly after the removal of product.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work.

Precautions against fire and explosion

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

Requirements for storerooms and containers

Hints on joint storage

Do not store together with: acids and alkalis

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**

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

Wear a dust mask, in case of excessive dust.

Hand protection

Item Number: 01902-1330  
Qualified materials: Nitrile rubber

Layer thickness &gt; 0,11 mm

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Breakthrough time &gt; 480 min

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided.

**Eye protection**

In case of dust formation: tightly sealed goggles according to EN 166

**Body protection**

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

**General protection and hygiene measures**

When using do not eat, drink or smoke. Wash hands before breaks and after work.

**SECTION 9: Physical and chemical properties****9.1 information on basic physical and chemical properties**

<b>Form</b>	Powder
<b>Colour</b>	white
<b>Odour</b>	almost odourless

	min	max
<b>Initial boiling point and boiling range</b>		
<b>Melting point/freezing point</b>		
<b>Flash point/flash point range</b>		
<b>Flammability</b>		
<b>Ignition temperature</b>		
<b>Auto-ignition temperature</b>		
<b>Explosion limits</b>		
<b>Refraction index</b>		
<b>PH value</b>	7 - 8 (aq)	
<b>Viscosity</b>		
<b>Viscosity</b>		
<b>Vapour pressure</b>		
<b>Density</b>		
<b>Partition coefficient: n-octanol/water</b>		

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**

On heating or in case of fire toxic gases may form.

**10.5 Incompatible materials**

acids and alkalis

**10.6 Hazardous decomposition products****SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Item Numbers: 01902-1030  
 Toxicological tests  
 1314-13-2

zinc oxide

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oral	LD50	Rat	>	10000,00000	mg/kg	-
inhalative	LC50	Rat	>	5,70000	mg/l	(4h)

**Acute toxicity****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****SECTION 12: Ecological information****12.1 Toxicity****Ecotoxicological effects**

1314-13-2 zinc oxide

EC50	Algae		0,17000	mg/l	(72h)
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**Aquatic toxicity****Water Hazard Class**

2

**WGK catalog number**

2187

**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**

080 112 080112 waste paint and varnish other than those mentioned in 080111

**Recommendation****Contaminated packaging****Waste key number****Recommendation**

Item Number: 080112. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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**Additional information**

If recycling is not possible, dispose of according to local waste laws and regulations (information requirements of authorities).

**SECTION 14: Transport information****14.1 UN number**

3077

**14.2 UN proper shipping name**

**ADR, ADN** Environmentally hazardous substance, solid, n.o.s.  
**IMDG, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, 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** M7  
**Kemmler-number** 90  
**Hazard label ADR** 9  
**Limited quantities** 5kg  
**Contaminated packaging: Instructions** P002 - IBC08 - LP02 - R001  
**Contaminated packaging: Special provisions** PP12 - B3  
**Special provisions for packing together** MP10  
**Portable tanks: Instructions** T1 - BK1 - BK2 - BK3  
**Portable tanks: Special provisions** TP33  
**Tank coding** SGAV/LGBV  
**Tunnel restriction** -  
**Remarks**  
**EQ** E1  
**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 - 966 - 967 - 969  
**Limited quantities** 5kg  
**Contaminated packaging: Instructions** P002 - LP02

Item number

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<b>Contaminated packaging: Special provisions</b>	PP12
<b>IBC: Instructions</b>	IBC08
<b>IBC: Provisions</b>	B3
<b>Tank instructions IMO</b>	-
<b>Tank instructions UN</b>	T1 - BK1 - BK2 - BK3
<b>Tank instructions Special provisions</b>	TP33
<b>Stowage and segregation</b>	category A SW23
<b>Properties and observations</b>	
<b>Remarks</b>	
<b>EQ</b>	E1

**Air transport (IATA-DGR)**

<b>Hazard</b>	-
<b>Passenger</b>	956 (400kg)
<b>Passenger LQ</b>	Y956 (30kg G)
<b>Cargo</b>	956 (400kg)
<b>ERG</b>	9L
<b>Remarks</b>	
<b>EQ</b>	E1
<b>Special Provisioning</b>	A97 - A158 - A179 - A197

**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** 2  
**WGK catalog number** 2187  
**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**

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**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**

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.

**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.~~