

MATERIAL SAFETY DATA SHEET

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

pigments - zinc white

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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.

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

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 ³	4(I)
DEU		10,000	mg/m ³	2(II)

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

Wear a dust mask, in case of excessive dust.

Hand protection

Qualified materials: Nitrile rubber

Layer thickness > 0,11 mm

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Breakthrough time > 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

Form	Powder
Colour	white
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	7	- 8 (aq)	
Viscosity			
Viscosity			
Vapour pressure			
Density			
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

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

Toxicological tests	
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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

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

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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

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

Air transport (IATA-DGR)

Hazard	-
Passenger	956 (400kg)
Passenger LQ	Y956 (30kg G)
Cargo	956 (400kg)
ERG	9L
Remarks	
EQ	E1
Special Provisioning	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 [%]
0 %
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.