

SAFETY DATA SHEET according to 91/115/EWG

article **pigments - zinc white**
18105000

version: 1

Date: 20.10.2006
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1. Identification of the substance/preparation and of the company/undertaking

01902-1030

Commercial Product name	art.nr.: 18 105 - zinc white
Use of the substance	finest artists' zinc oxide pigment for production of own custom artists' colours
Company	H.Schmincke & Co. GmbH & Co. KG Otto-Hahn-Strasse 2 D-40699 Erkrath www.schmincke.de
Phone #	+49 (0) 211 - 25 09 - 0
Telefax #	+49 (0) 211 - 25 09 - 461
Information	Schmincke-laboratory: mo.-th. 8.00-16.30, fr. 8.00-13.30 tel.: +49 (0) 211 - 2509 - 474 eMail: labor@schmincke.de
Emergency Information	Emergencycall Berlin: +49 (0) 30 - 1 92 40

2. Composition/information on ingredients

Chemical characterization (substance)	pigments
CI-Number	PW 4 - zinc oxide - CAS-number: 1314-13-2
Dangerous constituents	zinc oxide: 90 % - 100 % CAS-number: 1314-13-2 R phrase(s): 50/53

3. Hazard identification

Classification
 Nature of Hazard N Dangerous for the environment



R phrase(s) R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

General information	In case of problems seek medical advice and show the package or label
After inhalation	In case of allergic symptoms, especially respiratory tract related, seek medical help immediately. Ensure supply of fresh air.
After skin contact	When in contact with the skin, clean with soap and water.
After eye contact	In case of contact with eyes rinse thoroughly with water. In case of irritation consult an oculist.
After swallowing	By continuous complaints consult a physician.

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5. Fire fighting measures

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas. Compatible with all usual extinguishing media.

Extinguisher unsuitable on safety grounds

6. Accidental release measures

Personal precautions

Information regarding personal protective measures see, chapter 8.

Environmental precautions

Collect contaminated firefighting water separately, must not be discharged into the drains. Do not allow to enter drains or waterways.

Additional information

When picked up, treat material as prescribed under heading "Disposal".

7. Handling and storage

Handling

Information for safe handling

Avoid contact with eyes and skin. Avoid dust formation. Observe the usual precautions when handling chemicals. Wash hands before breaks and after work.

Particular use(s)

Particular use(s)

No special measures necessary if stored and handled as prescribed.

8. Exposure controls / personal protection

Critical values of exposure

zinc oxide CAS-number: 1314-13-2

AGW according to TRGS 900 -> 3 mg/m³ alveole-usual dust

AGW according to TRGS 900 -> 10 mg/m³ in-breathable dust

Limitation and surveillance of the exposure at the workplace.

Respiratory protection

Do not inhale dust. Breathing apparatus in the event of high concentrations.

Hand protection

Glove material

PVC gloves Nitrile f.e. Camatril Art.No. 0735 - Kächele-Cama Latex GmbH, Am Kreuzacker 9, D-36124 Eichenzell, Internet: www.kcl.de

Eye protection

Safety glasses with side protection shield

9. Physical and chemical properties

Appearance

Form

powder

Colour

white

Odour

almost odourless

Safety relevant data

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Package density 300 - 2000 kg/m³
pH value 7 - 8 in Wasser -

10. Stability and reactivity

Condition to avoid (hazardous reactions) No decomposition if used as prescribed.

11. Toxicological information

Toxicological Tests

Acute toxicity LD50 rat (oral): > 15000 mg/kg Literature value
After inhalation LC50 rat > 5,7 mg/l (4h) Literature value

12. Ecological information

Ecotoxicological effects

Aquatotoxicity EC50 Selenastrum capricornutum : > 170 µg/l (72h) Literature value
General remarks water risk class: 2

13. Disposal considerations

Product

Recommendation 080112 waste paint and varnish other than those mentioned in 080111

14. transport information

Overland transport

UN No. 3077
Class 9
Packaging group III
Description of goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Hazardous Material zinc oxide

Transport by sea

UN No. 3077
Class 9
Subrisk MP
Packing Group III
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Hazardous Material ZINC OXIDE
EmS number F-A, S-F

Air transport

UN No. 3077

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Class	3077
Subrisk	-
Proper shipping name	ENVORINMENTALLY HAZARDIUS SUBSTANCE, SOLID, N.O.S.
Hazardous Material	ZINC OXIDE
Packing Group	III

15. Regulatory information

Classification

Nature of Hazard	N Dangerous for the environment
R phrase(s)	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S phrase(s)	S60 This material and its container must be disposed of as hazardous waste. S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

R phrase(s)	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Further remarks	This information is abased 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.
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