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Lukas Studio Oils

Article No.:	02040000	LUKAS STUDIO ÖL Zinkweiß
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Identification of the substance/mixture and of the company/undertaking 1.1.

Product identifiers

Article No. (manufacturer/supplier):	02040000
Identification of the substance or mixture	LUKAS STUDIO ÖL Zinkweiß Studio Oil Zinc Withe Fine Artists' Oil Colours

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Paints for Arts, Hobby & Craft

Artists supply and hobby preparations

Coatings and paints, thinners, paint removers

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

LUKAS-NERCHAU GmbH

Harffstrasse 40

Telephone: +49 211 7813 0

D-40591 Duesseldorf (Germany)

Telefax: +49 211 7813 29

Dept. responsible for information:

Gefahstoffmanagement / Labor

E-mail (competent person)

info@lukas.eu

1.4. Emergency telephone number

Emergency telephone number

+49 211 7813 0

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Aquatic Acute 1 / H400 Hazardous to the aquatic environment

Very toxic to aquatic life.

Aquatic Chronic 1 / H410 Hazardous to the aquatic environment

Very toxic to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is classified as hazardous according to 1999/45/EC.

N; R50-53 Dangerous for the environment

Very toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Warning

Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P501 Dispose of contents/container in accordance with local legislation.

contains: n.a.

Supplemental Hazard information (EU) n.a.

Labelling (67/548/EEC or 1999/45/EC)



N Dangerous for the environment

Hazard statements 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Precautionary statements

29 Do not empty into drains.

contains: n.a.

Special provisions concerning the labelling of certain mixtures

n.a.

2.3. Other hazards

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

3. Composition / Information on ingredients

3.2. Mixtures

Product description / chemical characterization

Description oil paint

Hazardous ingredients

Classification according to Regulation (EC) No. 1272/2008 [CLP]

EC No. CAS No. INDEX No.	REACH No. Chemical name classification:	Wt % Remark
215-222-5 1314-13-2 030-013-00-7	01-2119463881-32 zinc oxide Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	50 - 100

Classification according to Directive 67/548/EEC or 1999/45/EC

EC No. CAS No. INDEX No.	REACH No. Chemical name classification:	Wt % Remark
215-222-5 1314-13-2 030-013-00-7	01-2119463881-32 zinc oxide N; R50-53	50 - 100
919-446-0 64742-82-1 649-330-00-2	01-2119458049-33 Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) R10 / N; R51-53 / Xn; R65 / R66 / R67	< 0,5

Additional information

Full text of R-phrases: see section 16.

Full text of H-phrases: see section 16.

4. First-aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Dense black smoke occurs during fire. Hazardous decomposition byproducts may form with exposure to high temperatures.

Hazardous decomposition products: Acrolein

5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

7. Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8.

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

8. Exposure controls / Personal protection

8.1. Control parameters

Occupational exposure limit values:

zinc oxide

Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber) Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Paste
Physical state	liquid
Colour	white
Odour	characteristic

Safety relevant basis data	Unit	Method	Remark
Flash point (°C)	300 °C	DIN 53213	
Vapour pressure at 20 °C:	n.a.		
Density at 20 °C:	2,61 g/cm ³		
Water solubility (g/L)	insoluble		
pH at 20 °C:	-		
Viscosity at 20 °C	40000 mPa·s		

9.2. Other information:

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures. Hazardous decomposition products: Acrolein. Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides, Acrolein

11. Toxicological information

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

zinc oxide

oral, LD50, Rat: > 15000 mg/kg

inhalative (dust and mist), LC50, Rat: > 5,7 mg/L (4 h)

Irritant and corrosive effects

zinc oxide

Skin, OECD 404, Rabbit

Not an irritant.

Eyes, OECD 405, Rabbit

Not an irritant.

Sensitisation

zinc oxide

Skin, Guinea pig:

not sensitising.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

zinc oxide

Germ cell mutagenicity

No experimental indications of genotoxicity in-vitro exist.

Carcinogenicity

No indication of human carcinogenicity.

Practical experience/human evidence

Other observations:

Overall Assessment on CMR properties

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

12. Ecological information

overall evaluation

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1. Toxicity

zinc oxide

Fish toxicity, LC50, fish: 1,1 - 2250 mg/L (96 h)

Algae toxicity, ErC50, Selenastrum capricornutum: 0,17 mg/L (72 h)

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details.

13. Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111 waste paint and varnish containing organic solvents or other dangerous substances

packaging Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

Additional information

Spontaneous ignition possible through autoxidation of cloths soaked in the product.

14. Transport information

14.1. UN number	3082
14.2. UN proper shipping name	
Land transport (ADR/RID):	Environmentally hazardous substance, liquid, n.o.s. (Zincoxide)
Sea transport (IMDG):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zincoxide)
Air transport (ICAO-TI / IATA-DGR):	Environmentally hazardous substance, liquid, n.o.s. (Zincoxide)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	
Land transport (ADR/RID)	UMWELTGEFÄHRDEND
Marine pollutant	p / Zincoxide

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Additional information

Land transport (ADR/RID)

tunnel restriction code E

Sea transport (IMDG)

EmS-No. F-A, S-F

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

not applicable

15. Regulatory information

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

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/L) ISO 11890-2: 7

VOC-value (in g/L) ASTM D 2369: 7

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations

15.2. Chemical Safety Assessment

For the following substances of this preparation a chemical safety assessment has been carried out:

EC No.	Chemical name	REACH No.
215-222-5 1314-13-2	Zinc Oxide	01-2119463881-32
919-446-0 64742-82-1	Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	01-2119458049-33

16. Other information

Relevant R-and H-phrases (Number and full text):

Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic life.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.
N; R50-53	Dangerous for the environment	Very toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.
R10		Flammable
N; R51-53	Dangerous for the environment	Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.
Xn; R65	Harmful	Harmful: may cause lung damage if swallowed.
R66		Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Additional information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.