

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

NEVSKAYA  PALITRA

Artists' oil paints "Ladoga"

Revision Date 21.09.2018

Version 2.0

EU / EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : Artists' oil paints "Ladoga": English red, Titanium white, Zinc white, Turquoise blue, Vandyke brown, Viridian, Glaukonite, Phthalocyanine blue, Emerald green, Indian red, Indigo, Phthalocyanine green, Cadmium yellow light, Cadmium yellow medium, Cadmium yellow deep, Cadmium red light, Cadmium red deep, Cadmium lemon, Cadmium orange, Cadmium purple (HUE), Carmine (HUE), Caput mortuum deep, Cobalt green light, Cobalt green deep, Cobalt blue light, Cobalt blue limedum, Cobalt blue spectral, Cobalt violet light (HUE), Cobalt violet deep (Hue), Madder lake red, Prussian blue, Mars brown light, Mars brown deep, Naples orange yellow, Naples rose, Naples yellow light, Naples flesh, Celestial blue, Chromium oxide, Yellow ochre, Gold ochre, Red ochre, Ochre light, Lamp black, Burnt Sienna, Raw Sienna Strontium yellow, Sap green, Ultramarine, Burnt umber, Raw umber "Leningrad", Ceruleum blue, Chromium Cobalt bluish green, Shungite

Chemical name : Not applicable.
CAS-No : Not applicable.
EC-No : Not applicable.
Registration number : Not applicable (the substance is a mixture).

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

Use of the Substance/ Mixture : Artists colors.

1.3 Details of the supplier of the safety data sheet

Company : Joint-Stock Company «Artistic paints plant «Nevskaya palitra»
68 Serdobolskaya str., Saint-Petersburg, Russia, 197342

Telephone : +7 (812) 337-11-43

E-mail address : secretar@zxknp.spb.ru

Only representative : Not applicable.

Telephone : Not applicable.

E-mail address : Not applicable.

1.4 Emergency telephone number

Austria: Poison Control Centre, Tel.: (+43)-1-406-43-43;

Belgium: Belgisch Antigifcentrum, Tel.: 070/245-245;

Bulgaria: Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов",
Tel.: (+359)-2-9154-409;

Croatia: Poison Control Centre, Tel: (+385)-1-23-48-342;

Czech Republic: Toxikologické informační středisko Telefon: (+420)-224-919-293,

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(+420)-224-915-402;

Denmark: Poison Control Hotline, Tel.: (+45)-82-12-12-12;

Estonia: National emergency telephone number: 112 or Poison information telephone number: 16662, calling from abroad: (+372)-626-93-90;

Finland: Poison Information Centre, Tel.: (09)-471-977 (direct) or (09)-4711;

France: ORFILA (INRS): (+33)-(0)-1-45-42-59-59;

Hungary: Az Egészségügyi Toxikológiai Tájékoztató Szolgálat elérhetőségei Tel: (+36)-80-201-199;

Latvia: Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs, Tel.: (+371)-67042473;

Lithuania: Sveikatos apsaugos ministerijos ekstremalių sveikatai situacijų centras, Tel.: (+370)-5-236-20-52 or (+370)-687-53378;

Malta: Mater Dei Hospital, Tel: 2545-0000;

Portugal: Centro de Informação Antivenenos (Portuguese Poison Centre), Tel: 808-250-143;

Romania: Biroul RSI Si Informare Toxicologica, Tel.: 021-318-36-06 (direct) (8.00 - 15.00);

Slovak Republic: National Toxicological Information Centre (+421)-2-5477-4166;

(+420)-224-915-402;

Sweden: 112.

Note: please, consult with your local/national competent authorities for the emergency number in your country.

SECTION 2: HAZARDS IDENTIFICATION

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to REGULATION (EC) No 1272/2008

The product does not need to be classified in accordance with REGULATION (EC) No 1272/2008. Not a hazardous mixture according to REGULATION (EC) No 1272/2008.

2.2 Label elements

Labeling according to REGULATION (EC) No 1272/2008

The product does not need to be labelled in accordance with REGULATION (EC) No 1272/2008. Not a hazardous mixture according to REGULATION (EC) No 1272/2008.

2.3 Other hazards

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The product is a mixture within the meaning of the REACH Regulation (1907/2006/EC).

Description: Mixture of organic and inorganic pigments, nature oils and additives.

Dangerous components:

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	CLP
Zinc oxide	10-15	1314-13-2	215-222-5	030-013-00-7	Aq. Acute 1; H400 Aq. Chronic 1; H410
Oleic acid	0.5	112-80-1	204-007-1	Not applicable	Skin Irrit. 2; H315 Eye Irrit. 2; H319

For the full text of the H-phrases mentioned in this Section, see Section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, immediately seek medical advice (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person.
- Inhalation : If breathed in move person into fresh air. Keep patient warm and at rest.
- Skin contact : In case of contact flush skin with soap and plenty of water. Seek medical advice if irritation develops and persists.
- Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse with plenty of water. Seek medical advice if irritation persists.
- Ingestion : Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

- Suitable extinguishing media : Use carbon dioxide, dry chemical, foam or carbon dioxide type fire extinguisher, sand, water spray.
- Unsuitable extinguishing media : Not applicable.

5.2 Special hazards arising from the substance or mixture

- Specific hazards : No data available.

5.3 Advice fire fighters

- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure

Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas. Avoid contact with skin and eyes.

6.2 Environmental precautions

Prevent further spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local or national regulations. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

6.4 Reference to other sections

See Section 7, 8, 11, 12 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Avoid formation of aerosol. Provide appropriate exhaust ventilation at places where aerosol is formed.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage including any incompatibilities

Requirements for storage : Avoid release moisture. Avoid to low temperature. Keep container in a dry and well-ventilated place.

Store in aluminum tube (vol. 46 ml).

Advice on common storage : Keep away from food, drink and animal feeding stuffs. Do not store near acids and bases.

Storage period : No data available.

Storage temperature : 10 – 30 °C

7.3 Specific end use(s)

No data available.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	CAS-No	Control parameters	Basis	Country
Zinc oxide	1314-13-2	TWA: 5 mg/m ³ (fume) TWA: 10 mg/m ³ (dust)	ED 984	France
Zinc oxide	1314-13-2	VLA-ED: 2 mg/m ³ (respirable fraction) VLA-EC: 10 mg/m ³	OEL for Spain, 2015	Spain
Zinc oxide	1314-13-2	VLE-MP: 2 mg/m ³ (respirable fraction) VLE-CD: 10 mg/m ³ (respirable fraction)	NP 1796:2014	Portugal
Zinc oxide	1314-13-2	TWA: 2 mg/m ³ (fume) STEL: 10 mg/m ³ (fume)	OEL-value-2014	Finland
Zinc oxide	1314-13-2	TWA: 4 mg/m ³ (as Zn)	Statutory Order No 507 17.05.2011 with add.	Denmark
Zinc oxide	1314-13-2	TWA: 5 mg/m ³ (respirable fraction, smoke)	BGBI.I Nr 51/2011	Austria
Zinc oxide	1314-13-2	NDS: 5 mg/m ³ (inhalable fraction, as Zn) NDSCh: 10 mg/m ³ (inhalable fraction, as Zn)	Dz.U. 2014 Nr. 0, 817 of June 6, 2014	Poland
Zinc oxide	1314-13-2	TWA: 2 mg/m ³ (fume) STEL: 10 mg/m ³ (fume)	S.I. No619 of 2001	Ireland
Zinc oxide	1314-13-2	TWA: 2 mg/m ³ (respirable fraction) STEL: 10 mg/m ³ (respirable fraction)	Ministerial Decree of August 20, 1999	Italy
Zinc oxide	1314-13-2	TWA: 5 mg/m ³ (fume) STEL: 10 mg/m ³ (fume)	Presidential Decrees 90/1999 with add., 212/2006, OEL 127/2000	Greece
Zinc oxide	1314-13-2	TWA: 10 mg/m ³ (dust) TWA: 5 mg/m ³ STEL: 10 mg/m ³	MB 14.3.2002 with addendum	Belgium
Zinc oxide	1314-13-2	STEL: 10.0 mg/m ³ (as Zn) TWA: 5.0 mg/m ³ (as Zn)	Regulation Nr. 13	Bulgaria
Oleic acid	112-80-1	TWA: 10.0 mg/m ³	Regulation Nr. 13	Bulgaria
Zinc oxide	1314-13-2	TWA: 2 mg/m ³ (as Zn) Ceiling: 5 mg/m ³ (as Zn)	Governement Decree 361/2007	Czech Republic
Zinc oxide	1314-13-2	STEL: 10 mg/m ³ TWA: 5 mg/m ³	HR-OEL	Croatia
Zinc oxide	1314-13-2	MAC: 5.0 mg/m ³ (fume)	Reg. 311/73	Cyprus
Zinc oxide	1314-13-2	TWA: 5 mg/m ³	Reg. No 293	Estonia
Zinc oxide	1314-13-2	CK: 20 mg/m ³ (respirable dust) AK: 5 mg/m ³ (respirable dust)	Decree No 25/2000 with add.	Hungary
Zinc oxide	1314-13-2	TWA: 0.5 mg/m ³	Regulation No325 with add.	Latvia
Zinc oxide	1314-13-2	IPRD: 5 mg/m ³	Order V-824/A1-389	Lithuania
Zinc oxide	1314-13-2	STEL: 10 mg/m ³ TWA: 5 mg/m ³	Governmental Decision 1218 from 06/09/2006, 1093 from 16/08/2006	Romania
Zinc oxide	1314-13-2	Ceiling: 1 mg/m ³ TWA: 1 mg/m ³	Government Decree 300/2007	Slovak Republic
Zinc oxide	1314-13-2	STEL: 20 mg/m ³ (respirable fraction, fume) TWA: 5 mg/m ³ (respirable fraction, fume)	OEL-SLO	Slovenia
Zinc oxide	1314-13-2	LLV: 5 mg/m ³ (total dust)	AFS 2005:17	Sweden

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PNEC (Predicted No effect Concentration)

PNEC aqua – freshwater:

Zinc oxide : 20.6 mkg/l

PNEC aqua – marine water:

Zinc oxide : 6.1 mkg/l

PNEC sediment – freshwater:

Zinc oxide : 117.8 mg/kg sediment dw

PNEC sediment – marine water:

Zinc oxide : 56.5 mg/kg sediment dw

PNEC soil:

Zinc oxide : 35.6 mg/kg soil dw

PNEC STP:

Zinc oxide : 100 mkg/l

DNEL (Derived No Effect Level)/DMEL (Derived Minimal Effect Level)

Worker

Long-term exposure systemic effects, inhalation:

Zinc oxide : 5 mg/m³

Long-term exposure local effects, inhalation:

Zinc oxide : 0.5 mg/m³

General population

Long-term exposure systemic effects, oral:

Zinc oxide : 0.83 mg/kg bw day

Long-term exposure systemic effects, dermal:

Zinc oxide 83 mg/kg bw day

Long-term exposure systemic effects, inhalation:

Zinc oxide : 2.5 mg/m³

8.2 Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. Highly effective exhaust ventilation.

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Personal protective equipment

Respiratory protection : Respirator FFP2 (for workers).

Remarks : Use respirators and components tested and approved under appropriate government standards CEN (EU).

Hand protection

Material : Safety gloves (for workers).

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : Safety glasses (for workers).

Remarks : Use equipment for eye protection tested and approved under appropriate government standards such as EN 166 (EU).

Skin and body protection : Protected shoes and clothes (for workers).

Remarks : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid formation of aerosol.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before reuse.

Environmental exposure controls

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	:	Pasty
Colour	:	Depending on the dye
Odour	:	Characteristic.
Odor threshold	:	No data available.
Flash point	:	No data available.
Lower explosion limit	:	No data available.
Upper explosion limit	:	No data available.
Explosive properties	:	Non-explosive.
Flammability	:	Not flammable.
Oxidizing properties	:	Non-oxidizing.
Self-ignition temperature	:	370 °C
Melting point/range	:	No data available.

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pH	:	No data available.
Boiling point/boiling range	:	No data available.
Vapor pressure	:	No data available.
Density	:	1.5-2.6 kg/l at 20 °C
Bulk density	:	Not applicable.
Water solubility	:	Insoluble.
Miscibility with water (15 °C)	:	Non - miscible.
Partition coefficient: n-octanol/water	:	No data available.
Solubility in other solvents	:	No data available.
Viscosity, dynamic	:	No data available.
Viscosity, kinematic	:	No data available.
Relative vapor density	:	No data available.
Evaporation rate	:	No data available.
Decomposition temperature	:	No data available.

9.2 Other information

Ignition temperature : > 370 °C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, moisture, low temperature.

10.5 Incompatible materials

Materials to avoid : Acids and bases.

10.6 Hazardous decomposition products

Hazardous decomposition products : No data available.

Thermal decomposition : No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Zinc oxide : LD₅₀ (rat): > 2 000 mg/kg bw day

Oleic acid : LD₅₀ (rat): > 2 000 mg/kg bw day

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Acute inhalation toxicity

Zinc oxide : LC₅₀ (rat): 5 700 mg/m³
Exposure time: 4 h

Acute dermal toxicity

Zinc oxide : LD₅₀ (rat): > 2 000 mg/kg bw day

Acute toxicity (other routes of administration)

No data available.

Skin corrosion / irritation

Skin irritation : No irritating.

Serious eye damage / eye irritation

Eye irritation : No irritating.

Sensitization of the respiratory / skin

Skin sensitization : Non skin sensitizing.

Respiratory sensitization : Non respiratory sensitizing.

Mutagenicity

No mutagenic effect.

Carcinogenicity

No carcinogenic effect.

Reproductive toxicity

No reproductive effect.

Teratogenicity

No data available.

Specific target organ toxicity after single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity after repeated exposure (sub-acute / sub-chronic)

Repeated dose toxicity: (sub-acute/ sub-chronic)

Zinc oxide : LOAEL (rat, sub-chronic): 75 mg/kg bw day
Route of exposure: Dermal
Exposure time: 14 days

Oleic acid : NOAEL (rat, sub-chronic): 14 000 mg/kg bw day
Route of exposure: Oral
Exposure time: 90 days

Aspiration hazard

Not applicable.

Neurological effects

No data available.

Toxicology, metabolism, distribution

No data available.

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish:

Zinc oxide : LC₅₀ (Danio rerio): 3.31 mg/l
Exposure time: 96 h
Oleic acid : LC₅₀ (Oncorhynchus mykiss): > 56 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:

Zinc oxide : LC₅₀ (Daphnia Magna): 0.2 mg/l
Exposure time: 48 h

Toxicity to aquatic plants:

Zinc oxide : LC₅₀ (Selenastrum capricornutum): 0.17 mg/l
Exposure time: 72 h

Long-term study fish/daphnia and other aquatic invertebrates/aquatic plants:

Zinc oxide : NOEC (Selenastrum capricornutum): 0.03 mg/l
Exposure time: No data available.
Zinc oxide : NOEC (Daphnia magna): 0.058 mg/l
Exposure time: 21 d

12.2 Persistence and degradability

Biodegradability : No data available.

12.3 Bioaccumulation potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT assessment and vPvB

Not PBT and no vPvB.

12.6 Other adverse effects

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Advice on disposal and packaging : Disposal:
In accordance with local and national regulations. Do not dispose of waste into sewer. This material and its container must be disposed of in a safe way. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

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SECTION 14: TRANSPORT INFORMATION

ADR : Not dangerous goods.

RID : Not dangerous goods.

IATA : Not dangerous goods.

IMDG : Not dangerous goods.

SECTION 15: REGULATORY INFORMATION

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

Seveso (2012/18/EU)	Directive :	E2 Hazardous to the Aquatic Environment in Category Chronic 2	Quantity 1 200 t	Quantity 2 500 t
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15.2 CSA

The Chemical Safety Assessment was not undertaken. The product is a mixture.

SECTION 16: OTHER INFORMATION

Hazard statements:

- H315 : Causes skin irritation.
- H319 : Causes serious eye irritation.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.