

SAFETY DATA SHEET

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

NEVSKAYA  PALITRA

Artists' acrylic colour „Ladoga”

Revision Date 09.01.2024

Version 2.0

EU / EN

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

1.1 Product identifier

Trade name : Artists` acrylic colour "Ladoga"

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.
Products for creation of art

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,
(+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;

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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

2.1 Classification of the substance or mixture

Classification according to REGULATION (EC) No 1272/2008

The product does 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

Hazard pictograms



Signal word

Warning! Contains titanium dioxide.

Warning! Contains zinc oxide.

Hazard statements

H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H351	Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routs of exposure>

Precautionary statements

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment
P391	Collect spillage
P501.9	Dispose of contents/container as problematic waste.

Supplemental information

2.3 Other hazards

No special hazards have to be mentioned.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical characterization
pigment
copolymer
water

CAS-Number

EINECS / ELINCS / NLP

EU index number

Customs tariff number

REACH registration No.

RTECS-no.

Hazchem-Code

CI-Number

3.2 Mixtures

Substance 1

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	CLP
Titanium dioxide (Pigment White 6)	0-15	13463-67-7	236-675-5	Not applicable	Carc.2, H351

Substance 2

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	CLP
Zinc oxide (Pigment White 4)	25	1314-13-2	215-222-5	030-013-00-7	Aquatic Acute; H400 / Aquatic Chronic 1; H410

Additional information:

The colour zinc white contain zinc oxide (see section 12).

The colours titanium white, turquoise blue, phthalocyanine blue, yellow light, yellow medium, emerald green, cobalt blue, naples yellow, celestian blue, rose light, gray, blue, ultramarine, violet light, violet deep and ceruleum blue contain titanium dioxide (see section 12).

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

Further information: annex

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

In case of inhalation

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No special measures are required. Seek medical aid in case of troubles.

In case of skin contact

Remove residues with soap and water. Seek medical attention if irritation persists.

After eye contact

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists/

After swallowing

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

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons

Full water jet

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 procedure

Avoid contact with skin, eyes and clothing/

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Take up mechanically. Wash spill area with plenty of water/

Additional information

6.4 Reference to other sections

Disposal: See Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Precaution against fire and explosion

7.2 Conditions for safe storage including any incompatibilities

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Requirements for storerooms and containers

Keep container tightly closed.

Hints on joint storage

Storage class

Further details

storage temperature: 5 – 35 °C

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

CAS 1314-13-2 zinc oxide

DEU	E-dust	1,250	mg/m ³	4 (I)
DEU		10,000	mg/m ³	2 (II)

CAS 13463-67-7 titanium dioxide

Chemical Name	CAS-No	Control parameters	Basis	Country
Titanium dioxide (Pigment White 6)	13463-67-7	STEL: 30 mg/m ³ (calculated, total inhalable) STEL: 12 mg/m ³ (calculated, respirable) TWA: 10 mg/m ³ (total inhalable) TWA: 4 mg/m ³ (respirable)	EH40/2005	The United Kingdom
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³ (as Ti)	ED 984	France
Titanium dioxide	13463-67-7	VLA-ED: 10 mg/m ³	OEL for Spain, 2015	Spain
Titanium dioxide	13463-67-7	VLE-MP: 10 mg/m ³	NP 1796:2014	Portugal
Titanium dioxide	13463-67-7	TWA: 6 mg/m ³ (as Ti)	Statutory Order No 507 17.05.2011 with add.	Denmark
Titanium dioxide	13463-67-7	STEL: 10 mg/m ³ (alveolar dust, respirable fraction, 2 X 60 min) TWA: 5 mg/m ³ (alveolar dust, respirable fraction)	BGBI.I Nr 51/2011	Austria
Titanium dioxide	13463-67-7	NDS: 10.0 mg/m ³ (<2% free crystalline silica and containing no asbestos, inhalable fraction)	Dz.U. 2014 Nr. 0, 817 of June 6, 2014	Poland
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³ (total inhalable dust); TWA: 4 mg/m ³ (respirable dust) STEL: 30 mg/m ³ (calculated, total inhalable dust) STEL: 12 mg/m ³ (calculated, respirable dust)	S.I. No619 of 2001	Ireland
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³	Ministerial Decree of August 20, 1999	Italy
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³ (inhalable fraction) TWA: 5 mg/m ³ (respirable fraction)	Presidential Decrees 90/1999 with add., 212/2006, OEL 127/2000	Greece
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³	MB 14.3.2002 with addendum	Belgium
Titanium dioxide	13463-67-7	TWA: 10.0 mg/m ³ (respirable dust)	Regulation Nr. 13	Bulgaria
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³ (total dust) TWA: 4 mg/m ³ (respirable dust)	HR-OEL	Croatia
Titanium dioxide	13463-67-7	10 mg/m ³ MAC (dust capable of being retained in the lungs)	Reg. 311/73	Cyprus
Titanium dioxide	13463-67-7	TWA: 5 mg/m ³	Reg. No 293	Estonia
Titanium dioxide	13463-67-7	TWA: 10 mg/m ³	Regulation No325 with add.	Latvia
Titanium dioxide	13463-67-7	IPRD: 5 mg/m ³	Order V-824/A1-389	Lithuania
Titanium dioxide	13463-67-7	STEL: 15 mg/m ³ TWA: 10 mg/m ³	Governmental Decision 1218 from 06/09/2006, 1093 from 16/08/2006	Romania
Titanium dioxide	13463-67-7	LLV: 5 mg/m ³ (total dust)	AFS 2005:17	Sweden

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8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With the formation of dust, use a dust mask/

Hand protection

Protect skin by using skin protective cream

Eye protection

Googgles

Body protection

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

General protection and hygiene measures

After work, wash hands and face.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	:	Pastry
Colour	:	Pigmented
Odour	:	Almost odourless
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	:	No data available.
Melting point/range	:	No data available.
pH	:	8.5– 10.0
Boiling point/boiling range	:	No data available.
Vapor pressure	:	No data available.
Density	:	1.1 – 1.4 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 : No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

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Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, moisture, frost.

10.5 Incompatible materials

Strong acids oxidizing agents. Strong alkali

10.6 Hazardous decomposition products

No known hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

CAS 1314-13-2 zinc oxide

oral	LD50	Rat	>	10000,000	mg/kg bw	-
inhalative	LC50	Rat	>	5,700	mg/l	(4h)

CAS 13463-67-7 titanium dioxide

oral	LD50	Rat	>	2000-25000	mg/kg bw	-
inhalative	LC50	Rat	>	3.4-6.8	mg/l air	(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

Toxicological effects

CAS 1314-13-2 zinc oxide

EC50	Algae		0,170	mg/l	(72h)
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CAS 13463-67-7 titanium dioxide

EC50	Daphnia magna (Water flea)		>100.0	mg/l	(48h)
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Aquatic toxicity

Water Hazard Class 2

WGK catalog number

General information

12.2 Persistence and degradability

Further details

Product is partially biodegradable.

Oxygen demand

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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

Ecotoxicological effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Advice on disposal and : Disposal:
packaging

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.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

14.2 UN proper shipping name

ADR, ADN No dangerous good in sense of these transport regulations.

IMDG, IATA

14.3 Transport hazard class(es)

ADR, ADN

IMDG IATA

14.4 Packing group

14.5 Environmental hazards

Marine Pollutant - IMDG

Marine Pollutant - ADN

14.6 Special precautions for user

Land transport

Code: ADR/RID

Kemmler-number

Hazard label ADR

Limited quantities

Contaminated packaging: Instructions

Contaminated packaging: Special provisions

Special provisions for packing together

Portable tanks: Instructions

Portable tanks: Special provisions

Tank coding

Tunnel restriction

Remarks

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EQ

Special provisions

Inland waterway craft

Hazard label

Limited quantities

Transport permitted

Equipment necessary

Ventilation

Remarks

EQ

Special provisions

Sea transport

EmS

Special provisions

Limited quantities

Contaminated packaging: Instructions

Contaminated packaging: Special provisions I

BC: Instructions

IBC: Provisions

Tank instructions IMO

Tank instructions UN

Tank instructions

Special provisions

Stowage and segregation

Properties and observations

Remarks

EQ

Air transport

Hazard

Passenger

Passenger LQ

Cargo

ERG

Remarks

EQ

Special Provisioning

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

No data available

SECTION 15: REGULATORY INFORMATION

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

National regulations

Europe

Contents of VOC [%] 0.0

Contents of VOC [g/L]

Further regulations, limitations and legal requirements

Germany

Storage class

Water Hazard Class 2

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WGK catalog number
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 [%] 0.0
Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

Japan

Further regulations, limitations and legal requirements

Canada

Further regulations, limitations and legal requirements

SECTION 16: OTHER INFORMATION

Hazard statements:

- H400 : Very toxic to aquatic life
H410 : Very toxic to aquatic life with long lasting effect
H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure>

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

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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.

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Appendix for material safety data sheet Artists' acrylic colour „Ladoga” in tube 220 ml (7.4 fl.oz)

art.nr.	art.name	C.I.	Pigments	CAS-nr.
2223300	English red	P.R.101	iron oxide	1309-37-1
2223101	Titanium white	P.W.6	titanium dioxide	13463-67-7
2223100	Zinc white	P.W.4	zinc oxide	1314-13-2
2223507	Turquoise blue	P.B. 15:3 P.G.7 P.W.6	Phthalocyanine (Cu), Phthalocyanine (Cu, Cl), titanium dioxide	147-14-8, 1328-53-6, 13463-67-7
2223500	Phthalocyanine blue	P.B.15:3 P.W.6	Phthalocyanine (Cu), titanium dioxide	147-14-8, 13463-67-7
2223213	Yellow light	P.Y.74 P.W.6	Monoazo, titanium dioxide	6358-31-2, 13463-67-7
2223220	Yellow medium	P.Y.83 P.Y.74 P.W.6	Disazo, monoazo, titanium dioxide	5567-15-7, 6358-31-2, 13463-67-7
2223221	Yellow deep	P.Y.83	Disazo	5567-15-7
2223717	Green light	P.G.7 P.Y.74	Phthalocyanine (Cu, Cl), monoazo	1328-53-6, 6358-31-2
2223722	Green medium	P.G.7 P.Y.74	Phthalocyanine (Cu, Cl), monoazo	1328-53-6, 6358-31-2
2223703	Phthalocyanine green	P.G.7 P.W.6	Phthalocyanine (Cu, Cl), titanium dioxide	1328-53-6, 13463-67-7
2223720	Emerald green	P.B.15:3 P.G.7 P.W.6	Phthalocyanine (Cu), phthalocyanine (Cu, Cl), titanium dioxide	147-14-8, 1328-53-6, 13463-67-7
2223330	Carmine	P.V.19 P.R.122	Quinacridone, quinocridone	1047-16-1, 980-26-7
2223312	Vermilion (HUE)	P.R.112 P.R.2 P.Y.74	Monoazo, azomethine, monoazo	6535-46-2, 6041-94-7, 6358-31-2
2223508	Cobalt blue	P.B.29 P.B.15:3 P.W.6	Sodium alumina silicate, phthalocyanine (Cu), titanium dioxide	57455-37-5, 147-14-8, 13463-67-7
2223317	Madder lake red	P.R.264	Diketo-pyrrolo pyrrol	-
2223331	Red	P.R.112	Monoazo	6535-46-2
2223348	Red deep	P.R.264 P.R.112	Diketo-pyrrolo pyrrol, monoazo	-, 6535-46-2
2223214	Lemon	P.Y.3	Monoazo	6486-23-3
2223209	Naples yellow	P.Y.42 P.Y.83 P.W.6	hydrated iron oxide, disazo, titanium dioxide	51274-00-1, 5567-15-7, 13463-67-7
2223512	Celestial blue	P.B. 15:3, P.W.6	Phthalocyanine (Cu), titanium dioxide	147-14-8, 13463-67-7
2223704	Chromium oxide	P.G.17	chromic oxide	1308-38-9
2223315	Orange	P.O.73	Diketo-pyrrolo pyrrol	71832-85-4
2223205	Gold ochre	P.Y.42	iron oxide	51274-00-1
2223206	Ochre light	P.Y.42	iron oxide	51274-00-1
2223335	Rose light	P.R.122 P.W.6	Quinocredone, titanium dioxide	980-26-7, 13463-67-7
2223334	Rose deep	P.R.122	Quinocredone	980-26-7
2222801	Lamp black	P.Bk.7	lamp black	1333-86-4
2223814	Gray	P.Bk.7 P.W.6	Lamp black, titanium dioxide	1333-86-4, 13463-67-7
2223406	Burnt Sienna	P.Y. 42 P.R.101 P.Bk.7	iron oxide, hematite, lamp black	51274-00-1, 1309-37-1, 1333-86-4
2223405	Raw Sienna	P.Y.42	iron oxide	51274-00-1
2223515	Blue	P.B.15:3 P.V.23 P.W.6	Phthalocyanine (Cu), dioxazine, titanium dioxide	147-14-8, 6358-30-1, 13463-67-7
2223511	Ultramarine	P.B.29 P.W.6	sodium alumina silicate, titanium dioxide	57455-37-5, 13463-67-7
2223408	Burnt umber	P.Br.6 P.Bk.7 P.R.101	Brown magnetite iron oxide, lamp black, hematite	52357-70-7, 1333-86-4, 1309-37-1
2223415	Raw umber	P.G.17 P.Y.42	Chromic oxide, iron oxide	1308-38-9, 51274-00-1
2223605	Violet light	P.V.23 P.W.6	Dioxazine, titanium dioxide	6358-30-1, 13463-67-7
2223606	Violet deep	P.V.23 P.W.6	Dioxazine, titanium dioxide	6358-30-1, 13463-67-7
2223503	Ceruleum blue	P.B.15:3 P.B.29 P.W.6	Phthalocyanine (Cu), sodium alumina silicate, titanium dioxide	147-14-8, 57455-37-5, 13463-67-7