



NATURAL PIGMENTS

Safety Data Sheet Lead Oil Painting Mediums

SECTION 1: Identification

1.1 GHS Product identifier

| | |
|--------------|---------------------------|
| Product name | Lead Oil Painting Mediums |
| Brand | Rublev Colours |

1.2 Other means of identification

Dark Drying Oil (Black Oil) 510-35BM
Sun-Thickened Linseed Oil (Lead Drying Oil) 510-40OST
Solvent-Free Italian Varnish 530-355

1.3 Recommended use of the chemical and restrictions on use

Fine art painting. Not for use by children.

1.4 Supplier's details

| | |
|-----------|-----------------------------------------------------|
| Name | Natural Pigments |
| Address | 291 Shell Lane Willits CA 95490 United States |
| Telephone | 707-459-9998 |
| Fax | 408-516-9442 |
| email | service@naturalpigments.com |

1.5 Emergency phone number

INFOTRAC 1-800-424-9300 within North America or +1-352-323-3500 domestically or internationally.
Account Number 115514

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Hazardous to the aquatic environment - long-term hazard, Cat. 1
- Hazardous to the aquatic environment - acute hazard, Cat. 1
- Specific target organ toxicity (repeated exposure), Cat. 2

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- Toxic to reproduction, Cat. 1A
- Toxic to reproduction, Cat. 1A
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4

2.2 GHS label elements, including precautionary statements

Pictograms



1. Exclamation mark; 2. Health hazard; 3. Environment

Signal word

Danger

Hazard statement(s)

H302 Harmful if swallowed
H332 Harmful if inhaled
H351 Suspected of causing cancer by swallowing.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell,
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a POISON CENTER if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P330 Rinse mouth.
P405 Store locked up.
P501 Dispose of contents/container in accordance with specified local/regional/national/international regulations.

2.3 Other hazards which do not result in classification

Not classified.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

| Component | CAS no. | Concentration |
|-------------------------|-----------|-----------------|
| LINSEED OIL (volume) | 8001-26-1 | >= 20 - <= 90 % |

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| | | |
|-----------------------------------------------------------------|------------------|--------------------------------------|
| CLASSIFICATIONS: No data available. HAZARDS: No data available. | | |
| Lead (II) oxide | 1317-36-8 | >= 1 - <= 10 % (weight) |
| CLASSIFICATIONS: No data available. HAZARDS: No data available. | | |

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

| | |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| General advice | Consult a physician. Show this safety data sheet to the doctor in attendance. |
| If inhaled | Not applicable. |
| In case of skin contact | Wash off with soap and plenty of water. |
| In case of eye contact | Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur. |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| Personal protective equipment for first-aid responders | No data available |

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Lead: To avoid further damage, those with kidney, neurological or blood disease should avoid exposure. Exposure during pregnancy should be avoided.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water fog, water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Carbon oxides, Lead oxides. Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Special protective actions for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Further information

Do not use water jet as an extinguisher, as this will spread fire. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Ventilate well. Avoid breathing mist. Wear suitable protective clothing.

6.2 Environmental precautions

Do not discharge into drains, watercourses or onto the ground.

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6.3 Methods and materials for containment and cleaning up

Spill clean-up restrictions apply. Absorb spillage with suitable absorbent material.

Reference to other sections

For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Read label before use. Do not handle until all safety precautions have been read and understood. Pregnant women should not work with the product, if there is the least risk of exposure. Avoid contact with skin and eyes. Wear personal protective equipment. Wash thoroughly after handling. Avoid breathing mist.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Store locked up. Store in original tightly closed container. Keep out of the reach of children.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 1317-36-8 (EC: 215-267-0)

Lead (II) oxide

ACGIH: 0.05 mg/m³ TWA; NIOSH: 100 mg/m³ IDLH; 0.050 mg/m³ TWA

8.2 Appropriate engineering controls

Provide adequate ventilation.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Wear approved safety glasses or goggles.

Skin protection

Wear chemical resistant gloves required for prolonged or repeated exposure. Suitable gloves can be recommended by the glove supplier. Always observe good personal hygiene measure, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Private clothes and working clothes should be kept separately.

Body protection

Wear protective clothing appropriate for the risk of exposure.

Respiratory protection

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If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

| | |
|--------------------------------------------------|------------------------------------|
| Appearance, such as physical state and colour | Yellow to Dark Brown gel or liquid |
| Odour | Oily |
| Odour threshold | Not available |
| pH | Not available |
| Melting point and freezing point | Not available |
| Initial boiling point and boiling range | Not available |
| Flash point | Not available |
| Evaporation rate | Not available |
| Flammability, in the case of solids and gases | Not available |
| Upper and lower flammability or explosive limits | Not available |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Relative density | Not available |
| Solubility | Not available |
| Partition coefficient — n-octanol/water | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Additional properties | |
| Explosive properties | Not available |
| Oxidising properties | Not available |

Particle characteristics

N/A

Further safety characteristics (supplemental)

Not available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable at normal conditions.

10.2 Chemical stability

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

Contact with incompatible materials.

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10.5 Incompatible materials

Basic lead carbonate : Strong oxidizing agents and strong acids.
Linseed oil: Strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Harmful if swallowed.

// ----- From the Suggestion report (11/14/2024, 4:57 PM) ----- //
The ATE (gas inhalation) of the mixture is: 5625 ppmV

// ----- From the Suggestion report (11/14/2024, 4:57 PM) ----- //
The ATE (oral) of the mixture is: 625 mg/kg bw

Skin corrosion/irritation

May cause skin irritation.

Serious eye damage/irritation

May cause eye irritation.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

May cause cancer.

Reproductive toxicity

May damage fertility. May damage the unborn child.

Summary of evaluation of the CMR properties

IARC Monographs. Overall Evaluation of Carcinogenicity
Lead carbonate hydroxide (CAS 1319-46-6) 2A Probably carcinogenic to humans.

NTP Report on Carcinogens
Lead carbonate hydroxide (CAS 1319-46-6) Reasonably Anticipated to be a Human Carcinogen.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs (Central Nervous System, Kidney, Blood) though prolonged or repeated exposure.

Aspiration hazard

Not classified.

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Additional information

Lead is accumulated in the body and may cause damage to the brain and nervous system after prolonged exposure. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood.

LINSEED OIL:

TOXICITY:

Not available

AQTX/TLM96: Not available

SAX TOXICITY EVALUATION:

THR: An allergen and skin irritant to humans.

CARCINOGENICITY: Not available

MUTATION DATA: Not available

TERATOGENICITY: Not available

STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): 0

Flammability (F): 1

Reactivity (R): 0

H0: Materials which on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material (see NFPA for details).

F1: Materials that must be preheated before ignition can occur (see NFPA for details).

R0: Materials which are normally stable even under fire exposure conditions and which are not reactive with water (see NFPA for details).

OTHER TOXICITY DATA:

Skin and Eye Irritation Data:

skn-hmn 300 mg/3D-I MOD

Status: EPA TSCA Chemical Inventory, 1989

EPA TSCA Test Submission (TSCATS) Data Base, April 1990

Lead carbonate: Reproductive Toxicity:

Lead and other smelter emissions are human reproductive hazards. (Chemical Council on Environmental Quality; Chemical Hazards to Human Reproduction, 1981).

Carcinogenicity: For lead and inorganic lead compounds:

EPA / IRIS classification: Group B2 - Probable human carcinogen, sufficient animal evidence.

Lead (II) oxide: dog LDLo oral 1400mg/kg (1400mg/kg) "Abdernalden's Handbuch der Biologischen Arbeitsmethoden." Vol. 4, Pg. 1289, 1935.

rat LDLo intraperitoneal 430mg/kg (430mg/kg) BLOOD: OTHER CHANGES Industrial Medicine. Vol. 10, Pg. 15, 1941.

SECTION 12: Ecological information

Toxicity

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Very toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Contract with a licensed disposal operator. Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Must be incinerated in a suitable incineration plant holding a permit delivered by competent authorities. Do not discharge into drains, watercourses or onto the ground. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations(40CFR261.4(b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Packaging disposal

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste treatment

When your own waste water treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste.

Sewage disposal

Dispose in accordance with all applicable regulations.

Other disposal recommendations

Hazardous waste code: D008: Waste Lead

SECTION 14: Transport information

DOT (US)

UN Number: UN3082

Class: 9

Packing Group: III

UN Proper Shipping Name: Environmentally hazardous substances, liquid, n.o.s. (Lead carbonate hydroxide)

Environmental Hazards

Marine pollutant: Yes

Special Precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Special Provisions: 8, 146, 335, IB3, T4, TP1, TP29

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Packaging Exceptions: 155
Packaging Non Bulk: 203
Packaging Bulk: 241

IMDG

UN Number: UN3082
Class: 9
Subsidiary Classes: -
Packaging Group: III
UN Proper Shipping Name: Environmentally hazardous substances, liquid, n.o.s. (Lead carbonate hydroxide)
Environmental Hazards
Marine pollutant: Yes
Labels Required: 9
EMS Number: F-A, S-F

IATA

UN Number: UN3082
Class: 9
Subsidiary Classes: III
Packaging Group: Yes
UN Proper Shipping Name: Environmentally hazardous substances, liquid, n.o.s. (Lead carbonate hydroxide)
Environmental Hazards: 9
Labels Required: 9L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Australian Inventory of Chemical Substances (AICS)

Yes

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Lead oxide

CAS-No. 1317-36-8

Revision Date: 1993-04-24

Chemical name: Lead carbonate

CAS number: 1319-46-6

03/01/2007 - Developmental

Canadian Domestic Substances List (DSL)

No

Chemical name: Lead oxide (PbO)

CAS number: 1317-36-8

Canadian Non-Domestic Substances List (NDSL)

Yes

European Inventory of Existing Commercial Chemical Substances (EINECS)

Yes

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Inventory of Existing Chemical Substances in China (IECSC)

Yes

Japanese Existing and New Chemical Substances (ENCS)

Yes

Korean Existing Chemicals List (KECL)

Yes

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: LEAD OXIDE

CAS number: 1317-36-8

Asterisk: no; Refs: 4 F8 F9

New Jersey Right To Know Components

Common name: LEAD OXIDE

CAS number: 1317-36-8

Listing note: CA-carcinogen.

New Zealand Inventory

Yes

Pennsylvania Right To Know Components

Lead oxide

CAS-No. 1317-36-8

Revision Date: 1993-04-24

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

Yes

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Yes

SVHC Candidate List for Authorisation

Chemical name: Lead (II) oxide

CAS number: 1317-36-8

Toxic Substances Control Act (TSCA) Inventory

Yes

US Toxic Substances Control Act (TSCA) Inventory

Yes

15.2 Chemical Safety Assessment

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This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

HMIS Rating

| Lead Oil Painting Mediums | |
|---------------------------|-----|
| HEALTH | * 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | |

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Natural Pigments be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Natural Pigments has been advised of the possibility of such damages.