



01060-1058

NATURAL PIGMENTS**Safety Data Sheet
Lead Driers****SECTION 1: Identification****1.1 GHS Product identifier**

Product name	Lead Driers
Product number	500-LDR, 500-JDR
Brand	Rublev Colours

1.2 Other means of identification

Lead Drier 500-LDR
Japan Drier 500-JDR

1.3 Recommended use of the chemical and restrictions on use

For use with artist paint. Not for use by children.

1.4 Supplier's details

Name	Natural Pigments
Address	291 Shell Lane Willits CA 95490 US
Telephone	707-459-9998
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**General hazard statement**

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

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

- Toxic to reproduction, Cat. 2
- Skin corrosion/irritation, Cat. 2
- Carcinogenicity, Cat. 2
- Eye damage/irritation, Cat. 2A
- Sensitization, skin, Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3
- Flammable liquids, Cat. 3

2.2 GHS label elements, including precautionary statements

Pictograms



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

Signal word

Warning

Hazard statement(s)

H226
H315
H317
H319
H335
H336
H351
H361

Flammable liquid and vapor
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness
Suspected of causing cancer
Suspected of damaging fertility or the unborn child

Precautionary statement(s)

P201
P202
P210
P233
P240
P241
P242
P243
P261
P264
P271
P272
P280
P302+P352
P303+P361+P353

P304+P340
P305+P351+P338

P308+P313
P312
P321
P332+P313

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing fume/mist/vapors/spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice.
Call a POISON CENTER if you feel unwell.
Specific treatment (see Section 4 on this SDS).
If skin irritation occurs: Get medical attention.

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P337+P313
P362+P364
P370+P378
P403+P233
P403+P235
P405
P501

If eye irritation persists: Get medical attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use dry foam to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	CAS no.	Concentration
TURPENTINE (Index no.: 650-002-00-6) (weight)	8006-64-2	>= 30 - <= 60 %
CLASSIFICATIONS: Flammable liquids, Cat. 3; Acute toxicity, inhalation, Cat. 4; Acute toxicity, dermal, Cat. 4; Acute toxicity, oral, Cat. 4; Aspiration hazard, Cat. 1; Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 2A; Sensitization, skin, Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H302 - Harmful if swallowed; H304 - May be fatal if swallowed and enters airways; H312 - Harmful in contact with skin; H315 - Causes skin irritation; H317 - May cause an allergic skin reaction; H319 - Causes serious eye irritation; H332 - Harmful if inhaled; H411 - Toxic to aquatic life with long lasting effects.		
LINSEED OIL (weight)	8001-26-1	>= 10 - <= 20 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.		
Lead (II) oxide	1317-36-8	>= 1 - <= 5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.		
Manganese (II) oxide	1344-43-0	>= 1 - <= 2 % (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. Move out of dangerous area.
If inhaled	Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse. Acute and delayed symptoms and effects: Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.

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Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

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

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

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

5.2 Specific hazards arising from the chemical

Flammable solid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection if necessary. Avoid breathing gas, mist, vapors, spray. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Eating, drinking and smoking is prohibited. Wash hands with soap and water after handling. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 8006-64-2

Turpentine

Cal/OSHA (US): 100 ppm PEL inhalation; NIOSH (US): 100 ppm REL inhalation; US/OSHA (US): 100 ppm PEL inhalation; 560 mg/m³ PEL inhalation; AU/SWA (AU): 100 ppm; 557 mg/m³ TWA inhalation [Turpentine (wood)]

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of fume, vapor, gas, etc.) below recommended exposure limits.

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

Pictograms



Eye/face protection

Safety glasses. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear protective gloves. Consult manufacturer specifications for further information.

Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

No data available.

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Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Appearance, such as physical state and colour	Liquid
Odour	Characteristic
Odour threshold	No data available.
pH	No data available.
Melting point and freezing point	No data available.
Initial boiling point and boiling range	163°C (325.4°F)
Flash point	No data available.)
Evaporation rate	No data available.
Flammability, in the case of solids and gases	No data available.
Upper and lower flammability or explosive limits	No data available.
Vapour pressure	No data available.
Vapour density	4.68 (air = 1)
Relative density	0.86 to 0.91
Solubility	Insoluble in cold water.
Partition coefficient — n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

Additional properties

Physical state	Liquid
Colour	Amber or Dark Brown
Explosive properties	No data available.
Oxidising properties	No data available.

Particle characteristics

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Contact with incompatible materials. Sources of ignition. Exposure to heat.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Avoid contact with strong oxidizers, chlorine, chromic anhydride, and stannic chloride.

10.6 Hazardous decomposition products

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No data available.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Symptoms (including delayed and immediate effects):

Inhalation: May cause respiratory irritation. Symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Component Information:

Turpentine CAS 8006-42-6

LD/LC50 values relevant for classification:

Oral LD50 5760 mg/kg (Rat)

Acute toxicity of the vapor (LC50): 29000 1 hours [Mouse]

Lead monoxide CAS 1317-36-8

Oral LD50 > 10000 mg/kg (Rat)

Dermal LD50 > 2000 mg/kg (Rat)

Inhalation LC50 > 5.05 mg/L (Rat) 4 h

Skin corrosion/irritation

Causes skin irritation. Symptoms may include localized redness, swelling, and itching.

Serious eye damage/irritation

Causes serious eye irritation. Symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

No data available

Carcinogenicity

Lead monoxide CAS 1317-36-8

IARC Group 2A

NTP Reasonably anticipated

ACGIH AS

OSHA X

Mexico Not listed

IARC (International Agency for Research on Cancer):

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicity Program):

Known Carcinogen

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Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

ACGIH (American Conference of Governmental Industrial Hygienists):

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

Reproductive toxicity

Possible risk of impaired fertility.

May cause harm to the unborn child.

Specific target organ toxicity (STOT) - single exposure

Turpentine CAS 8006-42-6

May cause respiratory irritation. May cause drowsiness or dizziness

Lead monoxide CAS 1317-36-8

None known

Specific target organ toxicity (STOT) - repeated exposure

Turpentine CAS 8006-42-6

May cause damage to lungs through prolonged or repeated exposure.

Lead monoxide CAS 1317-36-8

Blood Central nervous system (CNS) Peripheral Nervous System (PNS) Kidne

Aspiration hazard

Turpentine CAS 8006-42-6

May be fatal if swallowed and enters airways

SECTION 12: Ecological information

Toxicity

Toxic to aquatic life with long-term adverse effects.

Lead monoxide CAS 1317-36-8

Result	Species	Exposure
Freshwater Fish		
Acute LC50 0.3 mg/L	Pimephales promelas	96 Hours
Water Flea		
EC50 0.13 mg/L		48 Hours

Persistence and degradability

May persist based on information available.

Bioaccumulative potential

No information available.

Mobility in soil

Is not likely mobile in the environment due its low water solubility. Will likely be mobile in the environment due to its water solubility.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

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No data available.

SECTION 13: Disposal considerations**Disposal methods****Product disposal**

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal

Dispose of as unused product.

SECTION 14: Transport information**DOT (US)**

Lead monoxide CAS 1317-36-8

UN Number: 3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Technical Name: Lead monoxide

Class: 9

Packing Group: III

Turpentine CAS 8006-42-6

UN Number: 1299

Class: 3

Packing Group: III

Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

Technical Name: Turpentine

Marine pollutant: This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gallons) of combustible liquids that are marine pollutants are regulated as hazardous materials unless transported by vessel. This product is regulated as a marine pollutant when transported on inland waterways, in size of ≤ 5 L or ≤ 5 kg, or by road, rail, or inland air in non-bulk sizes, provided the packagings meet the general provisions §§ 173.24 and 173.24a.

IMDG

Lead monoxide CAS 1317-36-8

UN Number: 1299

Class: 9

Packing Group: III

EMS Number:

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S

Turpentine CAS 8006-42-6

UN Number: 1299

Class: 3

Packing Group: III

EMS Number: F-E,S-E

Marine pollutant: Yes (P)

Proper shipping name: TURPENTINE

IATA

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Lead monoxide CAS 1317-36-8

Class: 9

UN/ID Number: 3077

Packaging group: III

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Turpentine CAS 8006-42-6

Class: 3

UN/ID Number: 1299

Label: 3

Packaging group: III

Proper shipping name: TURPENTINE

UN "Model Regulation": UN 1299, TURPENTINE, 3, III.s.

SECTION 15: Regulatory information

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

California Prop. 65 Components

This product contains the following Proposition 65 chemicals:

Lead monoxide

CAS No.1317-36-8

Category: Carcinogen

Canadian Domestic Substances List (DSL)

Chemical name: Lead oxide (PbO)

CAS number: 1317-36-8

Chemical name: Lead oxide (PbO)

CAS number: 1317-36-8

Chemical name: Manganese oxide

CAS number: 11129-60-5

Chemical name: Manganese oxide (MnO)

CAS number: 1344-43-0

Chemical name: Turpentine

CAS number: 9005-90-7

Chemical name: Turpentine, oil

CAS number: 8006-64-2

Chemical name: Linseed oil

CAS number: 8001-26-1

Chemical name: Linseed oil

CAS number: 8001-26-1

Chemical name: Turpentine, oil

CAS number: 8006-64-2

Chemical name: Turpentine

CAS number: 9005-90-7

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Chemical name: Manganese oxide
CAS number: 11129-60-5

Chemical name: Manganese oxide (MnO)
CAS number: 1344-43-0

EU Table of Harmonised Entries (Annex VI to CLP)

Chemical name: TURPENTINE
CAS number: 8006-64-2

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: LEAD OXIDE
CAS number: 1317-36-8
Asterisk: no; Refs: 4 F8 F9

Chemical name: TURPENTINE
CAS number: 8006-64-2
Asterisk: no; Refs: 2,4,5,6

Chemical name: TURPENTINE
CAS number: 8006-64-2
Asterisk: no; Refs: 2,4,5,6

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.

Common name: LEAD OXIDE
CAS number: 1317-36-8
Listing note: CA-carcinogen.

Common name: TURPENTINE
CAS number: 8006-64-2
Listing note: F3-flammable 3rd deg.

Common name: TURPENTINE
CAS number: 8006-64-2
Listing note: F3-flammable 3rd deg.

Pennsylvania Right To Know Components

Chemical name: LINSEED OIL
CAS number: 8001-26-1

SARA 302 Components

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

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SARA 311/312 Hazards

Acute Health Hazard

SARA 313 Components

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Note that PBT chemicals are not eligible for the de minimis exemption. For these chemicals, supplier notification limits are provided.

SVHC Candidate List for Authorisation

Chemical name: Lead (II) oxide

CAS number: 1317-36-8

US EPA TSCA public inventory

Chemical name: Lead (II) oxide

CAS number: 1317-36-8

Chemical name: Lead (II) oxide

CAS number: 1317-36-8

Chemical name: Manganese (II) oxide

CAS number: 1344-43-0

Chemical name: TURPENTINE

CAS number: 8006-64-2

Chemical name: LINSEED OIL

CAS number: 8001-26-1

Chemical name: LINSEED OIL

CAS number: 8001-26-1

Chemical name: TURPENTINE

CAS number: 8006-64-2

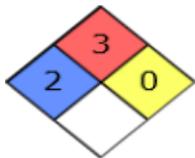
Chemical name: Manganese (II) oxide

CAS number: 1344-43-0

HMIS Rating

Lead Driers	
HEALTH	* 2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

NFPA Rating

**Safety Data Sheet
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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