

01060-1042



## NATURAL PIGMENTS

### Safety Data Sheet Zirconium Drier

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#### SECTION 1: Identification

##### 1.1 GHS Product identifier

Product name	Zirconium Drier
Product number	500-ZRDR022
Brand	Rublev Colours

##### 1.2 Other means of identification

Zirconium Drier

##### 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

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#### 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

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

Version 1.0, Date of issue: 2024-11-01, Printed on: 2024-11-01, p. 1 of 9

## Safety Data Sheet Zirconium Drier

- Flammable liquids, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 3

### 2.2 GHS label elements, including precautionary statements

#### Pictograms



#### Signal word

#### Warning

#### Hazard statement(s)

H226  
H335  
H336

Flammable liquid and vapor  
May cause respiratory irritation  
May cause drowsiness or dizziness

#### Precautionary statement(s)

P210  
P233  
P240  
P241  
P242  
P243  
P261  
P271  
P280  
P303+P361+P353

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.  
Keep container tightly closed.  
Ground container and receiving equipment.  
Use explosion-proof electrical, ventilating, lighting, and equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing fume, mist, vapors, or spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves and eye protection.  
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.  
Call a doctor, if you feel unwell.  
In case of fire: Use 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 and container to licensed waste management.

P304+P340  
P312  
P370+P378  
P403+P233  
P403+P235  
P405  
P501

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Hexanoic acid, 2-ethyl-, zirconium salt (1:?)

Concentration >= 70 - <= 90 % (weight)  
EC no. 245-018-1  
CAS no. 22464-99-9

##### 2. Solvent naphtha (petroleum), light aromatics

Version 1.0, Date of issue: 2024-11-01, Printed on: 2024-11-01, p. 2 of 9

**Safety Data Sheet  
Zirconium Drier**

Concentration 20 - 30 % (weight)  
CAS no. 64742-48-9

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**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.  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.

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**SECTION 5: Fire-fighting measures****5.1 Suitable extinguishing media**

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

Version 1.0, Date of issue: 2024-11-01, Printed on: 2024-11-01, p. 3 of 9

## Safety Data Sheet Zirconium Drier

### 5.2 Specific hazards arising from the chemical

Flammable liquid 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.

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## 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.

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## SECTION 8: Exposure controls/personal protection

### 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

## Safety Data Sheet Zirconium Drier



### 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.

### Environmental exposure controls

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

Appearance, such as physical state and colour	Liquid
Odour	Petroleum
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	39°C (102.2°F)
Evaporation rate	<1 (butyl acetate = 1)
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	>1 (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.
<b>Additional properties</b>	
Physical state	Liquid
Colour	Pale Yellow. Amber.
Explosive properties	No data available.
Oxidising properties	No data available.

Version 1.0, Date of issue: 2024-11-01, Printed on: 2024-11-01, p. 5 of 9

## Safety Data Sheet Zirconium Drier

### Particle characteristics

No data available.

### Further safety characteristics (supplemental)

No data available.

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## 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

Reactive or incompatible with oxidizing materials.

### 10.6 Hazardous decomposition products

No data available.

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## 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.

#### 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

This product is or contains a component that has been reported to be carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

Version 1.0, Date of issue: 2024-11-01, Printed on: 2024-11-01, p. 6 of 9

## Safety Data Sheet Zirconium Drier

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

### Reproductive toxicity

No data available.

### Specific target organ toxicity (STOT) - single exposure

Naphtha (petroleum), hydrotreated heavy  
May cause respiratory irritation. May cause drowsiness or dizziness

### Specific target organ toxicity (STOT) - repeated exposure

Naphtha (petroleum), hydrotreated heavy  
May cause damage to lungs through prolonged or repeated exposure.

### Aspiration hazard

Naphtha (petroleum), hydrotreated heavy  
May be fatal if swallowed and enters airways

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## SECTION 12: Ecological information

### Toxicity

Naphtha (petroleum), hydrotreated heavy		
Result	Species	Exposure
Acute LC50 >100mg/l	Algae	72 Hours

### Persistence and degradability

No data available on product

### Bioaccumulative potential

Naphtha (petroleum), hydrotreated heavy	
BCF	Potential
10 to 2500	High

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

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

### Other adverse effects

No data available.

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## 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.

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## SECTION 14: Transport information

Version 1.0, Date of issue: 2024-11-01, Printed on: 2024-11-01, p. 7 of 9

## Safety Data Sheet Zirconium Drier

### DOT (US)

UN Number: UN1993

Class: 3

Packing Group: III

Proper Shipping Name: Flammable liquids, n.o.s.

Reportable quantity (RQ):

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

UN Number: UN1993

Class: 3

Packing Group: III

EMS Number:

Proper Shipping Name: Flammable liquids, n.o.s.

### IATA

UN Number: UN1993

Class: 3

Packing Group: III

Proper Shipping Name: Flammable liquids, n.o.s.

## SECTION 15: Regulatory information

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

#### SARA 302 Components

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

#### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

Acute Health Hazard

#### HMIS Rating

Zirconium Drier	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

#### NFPA Rating



**Safety Data Sheet  
Zirconium Drier****SECTION 16: Other information****16.1 Further information/disclaimer**

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