SAFETY DATA SHEET
WINSOR & NEWTON HUILE POUR ARTISTES BLANC DE TITANE / ARTISTS' OIL
COLOUR TITANIUM WHITE


1. Identification

Product identifier
Product name
WINSOR & NEWTON HUILE POUR ARTISTES BLANC DE TITANE / ARTISTS' OIL
COLOUR TITANIUM WHITE

Recommended use of the chemical and restrictions on use
Application
Fine Art Painting

Uses advised against
No specific uses advised against are identified.

Details of the supplier of the safety data sheet
Supplier
ColArt Americas Inc.
11 Constitution Avenue
Piscataway
New Jersey 08855 - 1396
USA
1-732-562-0770
R.Enquiries@colart.co.uk

Contact Person
Regulatory Manager

Manufacturer
ColArt International SA
5 Rue Rene Panhard
Z.I .Nord
72021 Le Mans Cedex 2
+33 2 43 83 83 00

Emergency telephone number
Emergency telephone
For health information only call 1-800-628-3385 Piscataway NJ 08855.

2. Hazard(s) identification

Classification of the substance or mixture
Physical hazards
Not Classified

Health hazards
Not Classified

Environmental hazards
Aquatic Chronic 2 - H411

Label elements

Pictogram

Hazard statements
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with national regulations.

Other hazards
This product does not contain any substances classified as PBT or vPvB.
WINSOR & NEWTON HUILE POUR ARTISTES BLANC DE TITANE / ARTISTS' OIL
COLOUR TITANIUM WHITE

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>ZINC OXIDE</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 1314-13-2</td>
<td></td>
</tr>
<tr>
<td>M factor (Acute) = 1</td>
<td>M factor (Chronic) = 1</td>
</tr>
</tbody>
</table>

Classification

Not Classified

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion

Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin Contact

Rinse with water.

Eye contact

Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

No specific symptoms known.

Ingestion

No specific symptoms known.

Skin contact

No specific symptoms known.

Eye contact

No specific symptoms known. May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products
Thermal decomposition or combustion products may include the following substances:
Harmful gases or vapors.

Advice for firefighters
Protective actions during firefighting
Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

Environmental precautions
Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions
Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.

Advice on general occupational hygiene
Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions
Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class
Miscellaneous hazardous material storage.
8. Exposure Controls/personal protection

<table>
<thead>
<tr>
<th>Control parameters</th>
<th>Occupational exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINC OXIDE</td>
<td></td>
</tr>
<tr>
<td>Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust</td>
<td></td>
</tr>
<tr>
<td>Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ respirable fraction</td>
<td></td>
</tr>
<tr>
<td>Short-term exposure limit (15-minute): ACGIH 10 mg/m³ respirable fraction</td>
<td></td>
</tr>
<tr>
<td>Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ fume</td>
<td></td>
</tr>
<tr>
<td>Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction</td>
<td></td>
</tr>
<tr>
<td>OSHA = Occupational Safety and Health Administration.</td>
<td></td>
</tr>
<tr>
<td>ACGIH = American Conference of Governmental Industrial Hygienists.</td>
<td></td>
</tr>
</tbody>
</table>

Ingredient comments: No exposure limits known for ingredient(s).

Exposure controls:
Appropriate engineering controls: Provide adequate ventilation.

Eye/face protection: Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection: No specific hand protection recommended. Avoid contact with skin.

Other skin and body protection: Use barrier creams to prevent skin contact.

Hygiene measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection: No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls: Keep container tightly sealed when not in use. Avoid release to the environment.

9. Physical and Chemical Properties

Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic.</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>&gt;300°C @ 760 mm Hg</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;230.°C CC (Closed cup).</td>
</tr>
<tr>
<td>Relative density</td>
<td>&gt;1.00 @ 20.°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Immiscible with water</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&gt;300°C</td>
</tr>
</tbody>
</table>
10. Stability and reactivity

Reactivity
There are no known reactivity hazards associated with this product.

Stability
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

Possibility of hazardous reactions
No potentially hazardous reactions known.

Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory sensitization
Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitization
Skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

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

IARC carcinogenicity
None of the ingredients are listed or exempt.

Reproductive toxicity
Reproductive toxicity - fertility
Based on available data the classification criteria are not met.

Reproductive toxicity - development
Based on available data the classification criteria are not met.
### Specific target organ toxicity - single exposure

**STOT - single exposure**  
Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure**  
Not classified as a specific target organ toxicant after repeated exposure.

#### Aspiration hazard

Based on available data the classification criteria are not met.

### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

- **Inhalation**  
  No specific symptoms known.
- **Ingestion**  
  No specific symptoms known.
- **Skin Contact**  
  No specific symptoms known.
- **Eye contact**  
  No specific symptoms known.

#### Acute and chronic health hazards

No specific health hazards known.

#### Route of entry

Ingestion Inhalation Skin and/or eye contact

#### Target Organs

No specific target organs known.

## 12. Ecological Information

### Ecotoxicity

Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

### Toxicity

**Toxicity**  
Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

- **Acute toxicity - fish**  
  Not determined.
- **Acute toxicity - aquatic invertebrates**  
  Not determined.
- **Acute toxicity - aquatic plants**  
  Not determined.
- **Acute toxicity - microorganisms**  
  Not determined.

### Persistence and degradability

- **Persistence and degradability**  
The degradability of the product is not known.

### Bioaccumulative potential

**Bio-Accumulative Potential**  
No data available on bioaccumulation.

### Mobility in soil

**Mobility**  
No data available.

### Adsorption/desorption coefficient

**Not determined.**

### Other adverse effects

**Other adverse effects**  
None known.
13. Disposal considerations

Waste treatment methods

General information
The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class
08 01 12 waste paint and varnish other than those mentioned in 08 01 11

14. Transport information

General
For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

UN Number

<table>
<thead>
<tr>
<th>UN No. (DOT)</th>
<th>UN No. (IMDG)</th>
<th>UN No. (ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3082</td>
<td>3082</td>
<td>3082</td>
</tr>
</tbody>
</table>

UN proper shipping name

Proper shipping name (DOT) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)
Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)
Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

Transport hazard class(es)

<table>
<thead>
<tr>
<th>IMDG Class</th>
<th>ICAO class/division</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>9</td>
</tr>
</tbody>
</table>

Transport labels

Packing group

<table>
<thead>
<tr>
<th>DOT pack group</th>
<th>IMDG packing group</th>
<th>ICAO packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
</tbody>
</table>

Environmental hazards

Environmentally Hazardous Substance
Special precautions for user
Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. Regulatory information

Regulatory Status
This product has been evaluated by a toxicologist and labelled for acute and chronic health hazards in accordance with the Labelling of Hazardous Art Materials Regulation and Federal Regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act. This product conforms to ASTM D-4236 Standard Practice for Labelling Art Materials for Chronic Adverse health effects.

US Federal Regulations
SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
The following ingredients are listed or exempt:

ZINC OXIDE
1.0 %

CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

FDA - Essential Chemical
None of the ingredients are listed or exempt.

FDA - Precursor Chemical
None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt.

US State Regulations
California Proposition 65 Carcinogens and Reproductive Toxins
WARNING: This Product Contains Lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

California Air Toxics "Hot Spots" (A-I)
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.
California Directors List of Hazardous Substances
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

Massachusetts "Right To Know" List
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

Rhode Island "Right To Know" List
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

Minnesota "Right To Know" List
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

New Jersey "Right To Know" List
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

Pennsylvania "Right To Know" List
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

Inventories

US - TSCA
The following ingredients are listed or exempt:

ZINC OXIDE
Present.

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

16. Other information

Training advice
Read and follow manufacturer's recommendations.

Revision date
9/22/2015

Revision
3

Supersedes date
3/27/2015

Hazard statements in full
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.