

**SAFETY DATA SHEET**  
**WINSOR & NEWTON ARTISTS' OIL COLOUR FLAKE WHITE NO. 1 US ONLY**  
 According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

**1. Identification**

**Product identifier**  
**Product name** WINSOR & NEWTON ARTISTS' OIL COLOUR FLAKE WHITE NO. 1 US ONLY

**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** Acute Tox. 4 - H302 Acute Tox. 4 - H332 Repr. 1A - H360Df STOT RE 2 - H373  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

**Label elements**

**Pictogram**



**Signal word** Danger

**Hazard statements** H410 Very toxic to aquatic life with long lasting effects.  
 H360Df May damage the unborn child. Suspected of damaging fertility.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H302+H332 Harmful if swallowed or if inhaled.

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## Precautionary statements

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe vapor/spray.  
P261 Avoid breathing vapor/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 If swallowed: Immediately call a poison center/doctor.  
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/doctor if you feel unwell.  
P314 Get medical advice/attention if you feel unwell.  
P330 Rinse mouth.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with national regulations.

## Contains

Pigment White 1, Octanoic acid, lead salt

## Other hazards

This product does not contain any substances classified as PBT or vPvB.

## 3. Composition/information on ingredients

### Mixtures

<b>Pigment White 1</b> CAS number: 1319-46-6 M factor (Acute) = 1 M factor (Chronic) = 1	<b>60-100%</b>
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Repr. 1A - H360Df STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
<b>ZINC OXIDE</b> CAS number: 1314-13-2 M factor (Acute) = 1 M factor (Chronic) = 1	<b>10-30%</b>
<b>Classification</b> Not Classified	

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<b>Octanoic acid, lead salt</b>	<b>&lt;1%</b>
CAS number: 15696-43-2	
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Repr. 1A - H360Df STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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

**4. First-aid measures**

**Description of first aid measures**

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.
<b>Skin Contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse with water. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

**Most important symptoms and effects, both acute and delayed**

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.
<b>Ingestion</b>	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	No specific symptoms known. May be slightly irritating to eyes.

**Indication of immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	Treat symptomatically.
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**5. Fire-fighting measures**

**Extinguishing media**

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<b>Suitable extinguishing media</b>	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.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special hazards arising from the substance or mixture</b>	
<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up. This product is toxic.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapors.
<b>Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. 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.
<b>Special protective equipment for firefighters</b>	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. Avoid inhalation of dust and vapors. Use suitable respiratory protection if ventilation is inadequate.

**Environmental precautions**

**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. Provide adequate ventilation. 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**

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**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. May damage the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Suspected of damaging fertility. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

**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** Store locked up. 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** Toxic storage.

**Specific end uses(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**8. Exposure Controls/personal protection**

**Control parameters**

**Occupational exposure limits**

**ZINC OXIDE**

- Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust
- Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup> respirable fraction
- Short-term exposure limit (15-minute): ACGIH 10 mg/m<sup>3</sup> respirable fraction
- Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> fume
- Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction

OSHA = Occupational Safety and Health Administration.  
 ACGIH = American Conference of Governmental Industrial Hygienists.

**Exposure controls**

**Protective equipment**



**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** Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

**Other skin and body protection** Wear appropriate clothing to prevent any possibility of skin contact.

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<b>Hygiene measures</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
<b>Respiratory protection</b>	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
<b>Environmental exposure controls</b>	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**

<b>Appearance</b>	Paste
<b>Color</b>	White.
<b>Odor</b>	Characteristic.
<b>pH</b>	Not applicable.
<b>Initial boiling point and range</b>	N/A °C @
<b>Flash point</b>	>230 °C CC (Closed cup).
<b>Relative density</b>	>3 @ 20 °C
<b>Solubility(ies)</b>	Immiscible with water
<b>Auto-ignition temperature</b>	>300 °C
<b>Other information</b>	Not available.

**10. Stability and reactivity**

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapors.

**11. Toxicological information**

**Information on toxicological effects**

<b>Other health effects</b>	Toxic to Reproduction Category 1. Toxic to Reproduction Category 3. Carcinogen Category 3.
<b>Acute toxicity - oral</b>	
<b>Notes (oral LD<sub>50</sub>)</b>	Acute Tox. 4 - H302 Harmful if swallowed.
<b>ATE oral (mg/kg)</b>	735.29
<b>Acute toxicity - dermal</b>	

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<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b>Acute toxicity - inhalation</b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Acute Tox. 4 - H332 Harmful if inhaled.
<b>ATE inhalation (gases ppm)</b>	6,617.65
<b>ATE inhalation (vapours mg/l)</b>	16.18
<b>ATE inhalation (dusts/mists mg/l)</b>	2.21
<b>Skin corrosion/irritation</b>	
<b>Animal data</b>	Based on available data the classification criteria are not met.
<b>Serious eye damage/irritation</b>	
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
<b>Respiratory sensitization</b>	
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b>Skin sensitization</b>	
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>IARC carcinogenicity</b>	None of the ingredients are listed or exempt.
<b>Reproductive toxicity</b>	
<b>Reproductive toxicity - fertility</b>	Suspected of damaging fertility.
<b>Reproductive toxicity - development</b>	May damage the unborn child.
<b>Specific target organ toxicity - single exposure</b>	
<b>STOT - single exposure</b>	Not classified as a specific target organ toxicant after a single exposure.
<b>Specific target organ toxicity - repeated exposure</b>	
<b>STOT - repeated exposure</b>	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b>General information</b>	
	Avoid contact during pregnancy/while nursing. May damage fertility. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.
<b>Ingestion</b>	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.
<b>Skin Contact</b>	No specific symptoms known.
<b>Eye contact</b>	No specific symptoms known.
<b>Acute and chronic health hazards</b>	Lead is accumulated in the body and may cause damage to the brain and nervous system after prolonged exposure.

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<b>Route of entry</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target Organs</b>	No specific target organs known.
<b>Medical Symptoms</b>	Upper respiratory irritation. Nausea, vomiting. Allergic rash.
<b>Medical considerations</b>	Skin disorders and allergies.

**12. Ecological Information**

<b>Ecotoxicity</b>	Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.
<b>Toxicity</b>	
<b>Toxicity</b>	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
<b>Acute toxicity - fish</b>	Not determined.
<b>Acute toxicity - aquatic invertebrates</b>	Not determined.
<b>Acute toxicity - aquatic plants</b>	Not determined.
<b>Acute toxicity - microorganisms</b>	Not determined.
<b>Persistence and degradability</b>	
<b>Persistence and degradability</b>	The degradability of the product is not known.
<b>Bioaccumulative potential</b>	
<b>Bio-Accumulative Potential</b>	No data available on bioaccumulation.
<b>Mobility in soil</b>	
<b>Mobility</b>	No data available.
<b>Other adverse effects</b>	
<b>Other adverse effects</b>	None known.

**13. Disposal considerations**

<b>Waste treatment methods</b>	
<b>General information</b>	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.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances

**14. Transport information**

<b>General</b>	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.
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**UN Number**

**UN No. (DOT)** 3082  
**UN No. (IMDG)** 3082  
**UN No. (ICAO)** 3082

**UN proper shipping name**

**Proper shipping name (DOT)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Trilead bis(carbonate) dihydroxide)  
**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Trilead bis(carbonate) dihydroxide)  
**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Trilead bis(carbonate) dihydroxide)

**Transport hazard class(es)**

**IMDG Class** 9  
**ICAO class/division** 9

**Transport labels**



**Packing group**

**DOT pack group** III  
**IMDG packing group** III  
**ICAO packing group** III

**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**

## WINSOR & NEWTON ARTISTS' OIL COLOUR FLAKE WHITE NO. 1 US ONLY

### 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.

This product has been certified by ACMI (Artists Craft Material Institute, Inc.) to carry the CL (Cautionary Labelling) Seal, meaning the health warnings and safe use instructions on the label should be followed.

WARNING: MAY BE HARMFUL IF SWALLOWED. CANCER AGENT BASED ON EXPERIMENTAL DATA. EXPOSURE MAY HARM THE DEVELOPING FETUS, OR DAMAGE TO THE TESTES OR DIFFICULTY WITH REPRODUCTION ( CHILD BEARING), OR NERVOUS SYSTEM, KIDNEY OR BONE MARROW DAMAGE.

Contains: LEAD

PRECAUTIONS: Do not spray apply. Wash hands immediately after use. When using do not eat, drink or smoke . AVOID USING IF PREGNANT OR CONTEMPLATING PREGANCY, KEEP OUT OF REACH OF CHILDREN.

FIRST AID TREATMENT: If swallowed, get prompt medical attention.

For further health information contact a poison center or call 1-800-628-3385 Piscataway NJ 08855.

### 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.

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## WINSOR & NEWTON ARTISTS' OIL COLOUR FLAKE WHITE NO. 1 US ONLY

### 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.

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### US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

### 16. Other information

<b>Training advice</b>	Read and follow manufacturer's recommendations.
<b>Revision date</b>	9/23/2015
<b>Revision</b>	4
<b>Supersedes date</b>	7/14/2015
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H332 Harmful if inhaled. H360Df May damage the unborn child. Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very 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.