

1. Identification

Product identifier Williamsburg Flake White, Lead Oil Ground, Silver White
Other means of identification Not available.
Recommended use Artist paint
Recommended restrictions None known.

Manufacturer / Importer / Supplier / Distributor information

Company name Golden Artist Colors, Inc.
Address 188 Bell Rd., New Berlin
 NY 13411
 US
Telephone 607-847-6154
E-mail gavett@goldenpaints.com
Contact person Ben Gavett
Emergency phone number 607-847-6154

2. Hazard(s) identification

Physical hazards Not classified. Acute
Health hazards toxicity, oral Category 4
 Carcinogenicity Category 1A
 Reproductive toxicity Category 1A
 Specific target organ toxicity, repeated exposure Category 2 (Central Nervous System, Kidney, Blood)
OSHA defined hazards Not classified.

Label elements



Signal word Danger
Hazard statement May cause cancer. May damage fertility or the unborn child. May cause damage to organs (Central Nervous System, Kidney, Blood) through prolonged or repeated exposure. Harmful if swallowed.
Precautionary statement
Prevention Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Wash thoroughly after handling.
Response If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
Storage Store locked up.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Not classified.

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 1
 Hazardous to the aquatic environment, long-term hazard Category 1

Supplemental information

Hazard symbol

Hazard statement Very toxic to aquatic life with long lasting effects.

Precautionary statement**Prevention** Avoid release to the environment.**Response** Collect spillage.**3. Composition/information on ingredients****Mixtures**

| Chemical name | CAS number | % |
|--------------------------|-------------------|----------|
| Lead carbonate hydroxide | 1319-46-6 | 40 - 60 |
| Linseed oil | 8001-26-1 | 25 - 35 |
| Limestone | 1317-65-3 | 10 - 40 |
| Barium sulphate | 7727-43-7 | 0 - 10 |
| Quartz | 14808-60-7 | 0.1-<1.0 |

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.**4. First-aid measures****Inhalation** Not likely, due to the form of the product. If inhaled, remove to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance. Get medical attention.**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. Wash clothing separately before reuse. Get medical attention if irritation develops and persists.**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.**Ingestion** Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. If swallowed, induce vomiting immediately as directed by medical personnel. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention.**Most important symptoms/effects, acute and delayed** Symptoms include itching, burning, redness and tearing. Symptoms may be delayed.**Indication of immediate medical attention and special treatment needed** Lead - To avoid further damage, those with kidney, neurological or blood disease should avoid exposure. Exposure during pregnancy should be avoided.**General information** Keep victim warm. Keep victim under observation.**5. Fire-fighting measures****Suitable extinguishing media** Water fog. Water spray, foam, dry powder or carbon dioxide.**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.**Specific hazards arising from the chemical** By heating and fire, toxic vapors/gases may be formed.**Special protective equipment and precautions for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.**Fire-fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures** Avoid contact with skin and eyes. Ventilate well. Avoid breathing mist. Wear suitable protective clothing.**Methods and materials for containment and cleaning up** Spill clean-up restrictions apply. Absorb spillage with suitable absorbent material. For waste disposal, see Section 13 of the SDS.**Environmental precautions** Do not discharge into drains, water courses or onto the ground.**7. Handling and storage****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.

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.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

| Components | Type | Value |
|--|------|------------|
| Lead carbonate hydroxide (CAS 1319-46-6) | TWA | 0.05 mg/m3 |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|---------------------------------|------|----------|----------------------|
| Barium sulphate (CAS 7727-43-7) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| Limestone (CAS 1317-65-3) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| Linseed oil (CAS 8001-26-1) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |

US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components | Type | Value | Form |
|-------------------------|------|--------------------------|-------------|
| Quartz (CAS 14808-60-7) | TWA | 0.3 mg/m3 | Total dust. |
| | | 0.1 mg/m3 | Respirable. |
| | | 2.4 millions of particle | Respirable. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--|------|-------------|----------------------|
| Barium sulphate (CAS 7727-43-7) | TWA | 10 mg/m3 | |
| Lead carbonate hydroxide (CAS 1319-46-6) | TWA | 0.05 mg/m3 | |
| Quartz (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |

US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)

| Components | Type | Value | Form |
|---------------------------------|------|------------|------------------|
| Barium sulphate (CAS 7727-43-7) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Limestone (CAS 1317-65-3) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Linseed oil (CAS 8001-26-1) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Mist. |
| Quartz (CAS 14808-60-7) | TWA | 0.05 mg/m3 | Respirable dust. |

Biological limit values

ACGIH Biological Exposure Indices

| Components | Value | Determinant | Specimen | Sampling Time |
|--|----------|-------------|----------|---------------|
| Lead carbonate hydroxide (CAS 1319-46-6) | 300 µg/l | Lead | Blood | * |

* - For sampling details, please see the source document.

Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Risk of contact: Wear approved safety glasses or goggles.

Skin protection

Hand protection

Chemical resistant gloves required for prolonged or repeated contact. Suitable gloves can be recommended by the glove supplier.

Other

Wear protective clothing appropriate for the risk of exposure.

Respiratory protection

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. |
| General hygiene considerations | Always observe good personal hygiene measures, 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. |

9. Physical and chemical properties

| | |
|---|--------------------|
| Appearance | Semisolid. |
| Physical state | Solid. |
| Form | Semisolid. |
| Color | White |
| Odor | Oily. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | 2.6 |
| Solubility(ies) | Not available. |
| Partition coefficient (n-octanol/water) | No data available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |

10. Stability and reactivity

| | |
|---|---|
| Reactivity | Stable at normal conditions. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Will not occur. |
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Strong acids. Strong oxidizing agents. |
| Hazardous decomposition products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---|--|
| Ingestion | Harmful if swallowed. |
| Inhalation | Harmful if inhaled. However: Unlikely to be hazardous by inhalation because of the low vapor pressure of the substance at ambient temperature. |
| Skin contact | May cause skin irritation. |
| Eye contact | May cause eye irritation. |
| Symptoms related to the physical, chemical and toxicological characteristics | Symptoms include itching, burning, redness and tearing. |

Information on toxicological effects

| | |
|--|----------------------------|
| Acute toxicity | Harmful if swallowed. |
| Skin corrosion/irritation | May cause skin irritation. |
| Serious eye damage/eye irritation | May cause eye irritation. |
| Respiratory sensitization | No data available. |
| Skin sensitization | No data available. |
| Germ cell mutagenicity | No data available. |
| Carcinogenicity | May cause cancer. |

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|--|-------------------------------------|
| Lead carbonate hydroxide (CAS 1319-46-6) | 2A Probably carcinogenic to humans. |
| Quartz (CAS 14808-60-7) | 1 Carcinogenic to humans. |

NTP Report on Carcinogens

| | |
|--|--|
| Lead carbonate hydroxide (CAS 1319-46-6) | Reasonably Anticipated to be a Human Carcinogen. |
| Quartz (CAS 14808-60-7) | Known To Be Human Carcinogen. |

| | |
|---|--|
| Reproductive toxicity | May damage fertility. May damage the unborn child. |
| Specific target organ toxicity - single exposure | No data available. |
| Specific target organ toxicity - repeated exposure | May cause damage to organs (Central Nervous System, Kidney, Blood) through prolonged or repeated exposure. |
| Aspiration hazard | Not classified. |
| Chronic effects | 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. |

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

| Components | Species | Test Results |
|--------------------------------------|---|------------------------------|
| Barium sulphate (CAS 7727-43-7) | | |
| Aquatic | | |
| Crustacea | EC50 Tubificid worm (Tubifex tubifex) | 28.61 - 38.03 mg/l, 48 hours |
| Persistence and degradability | No data available. | |
| Bioaccumulative potential | No data available. | |
| Mobility in soil | No data available. | |
| Mobility in general | The product contains substances which are insoluble in water and which sediment in water systems. | |
| Other adverse effects | No data available. | |

13. Disposal considerations

| | |
|--|--|
| Disposal instructions | Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Collect and reclaim or dispose in sealed containers at 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 the competent authorities. Do not discharge into drains, water courses or onto the ground. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (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. When your own wastewater treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste. |
| Hazardous waste code | D008: Waste Lead |
| Waste from residues / unused products | Dispose in accordance with all applicable regulations. |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT

| | |
|-----------------------------------|---|
| UN number | UN3082 |
| UN proper shipping name | Environmentally hazardous substances, liquid, n.o.s. (Lead carbonate hydroxide) |
| Transport hazard class(es) | 9 |
| Subsidiary class(es) | - |
| Packing group | III |

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**Packaging exceptions** 155**Packaging non bulk** 203**Packaging bulk** 241**IATA****UN number** UN3082**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Lead carbonate hydroxide)**Transport hazard class(es)** 9**Subsidiary class(es)** - III**Packaging group** Yes**Environmental hazards** 9**Labels required** 9L**ERG Code****Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IMDG****UN number** UN3082**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lead carbonate hydroxide)**Transport hazard class(es)** 9**Subsidiary class(es)** -**Packaging group** III**Environmental hazards****Marine pollutant** Yes**Labels required** 9**EmS** F-A, S-F**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.**15. Regulatory information****US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

| | |
|--|------------------------|
| Lead carbonate hydroxide (CAS 1319-46-6) | Reproductive toxicity |
| | Central nervous system |
| | Kidney |
| | Blood |
| | Acute toxicity |

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|--|--------|
| Barium sulphate (CAS 7727-43-7) | LISTED |
| Lead carbonate hydroxide (CAS 1319-46-6) | LISTED |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| | |
|--------------------------|------------------------|
| Hazard categories | Immediate Hazard - Yes |
| | Delayed Hazard - Yes |
| | Fire Hazard - No |
| | Pressure Hazard - No |
| | Reactivity Hazard - No |

SARA 302 Extremely hazardous substance No**SARA 311/312 Hazardous chemical** Yes**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|--------------------------|------------|----------|
| Lead carbonate hydroxide | 1319-46-6 | 40 - 60 |

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Lead carbonate hydroxide (CAS 1319-46-6)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.**Food and Drug Administration (FDA)** Not regulated.**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.**US. Massachusetts RTK - Substance List**Barium sulphate (CAS 7727-43-7)
Lead carbonate hydroxide (CAS 1319-46-6)
Limestone (CAS 1317-65-3)
Linseed oil (CAS 8001-26-1)
Quartz (CAS 14808-60-7)**US. New Jersey Worker and Community Right-to-Know Act**

Lead carbonate hydroxide (CAS 1319-46-6) 500 lbs

US. Pennsylvania RTK - Hazardous SubstancesBarium sulphate (CAS 7727-43-7)
Limestone (CAS 1317-65-3)
Linseed oil (CAS 8001-26-1)
Quartz (CAS 14808-60-7)**US. Rhode Island RTK**

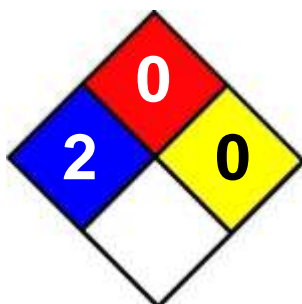
Not regulated.

US. California Proposition 65**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**Lead carbonate hydroxide (CAS 1319-46-6)
Quartz (CAS 14808-60-7)**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision**Issue date** 22-November-2013**Revision date** -**Version #** 01**NFPA Ratings**

References

HSDB (2005)
IARC Monographs. Overall Evaluation of Carcinogenicity
In-house data
US. IARC Monographs on Occupational Exposures to Chemical Agents
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

This SDS contains revisions in the following section(s):

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.