

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.