



SAFETY DATA SHEET

Issue Date 01-Feb-2018

Revision Date 05-Sep-2019

Version 4

RA.

Brickform Antique Release

1. IDENTIFICATION

Product identifier

Product Name Brickform Antique Release

Other means of identification

Product Code RA.

Recommended use of the chemical and restrictions on use

Recommended Use Restricted to professional users.

Uses advised against Consumer use

Details of the supplier of the safety data sheet

Manufacturer Address

Solomon Colors, Inc.
4050 Color Plant Road
Springfield, IL
62702

Company Phone Number 800-624-0261 (US & Canada); 217-522-3112 (Outside North America)

24 Hour Emergency Phone Number 1-800-373-7542 Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3 (Respiratory System)
Specific target organ toxicity (repeated exposure)	Category 1 (Lungs)

Label elements

Emergency Overview

Danger

Hazard statements

May cause respiratory irritation

May cause cancer by inhalation

Causes damage to lungs through prolonged or repeated inhalation exposure.



Overexposure to dust can cause chronic lung injury. Acute silicosis may develop in a short timewith heavy exposure. Silicosis can be progressive and may cause death.

Appearance Colored Powder

Physical state Powder

Odor Odorless

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature Mixture.

Chemical Name	CAS No.	Weight-%	Trade Secret
Limestone	1317-65-3	45-85	*
Quartz, Crystalline Silica	14808-60-7	< 25	*
Titanium Dioxide	13463-67-7	< 15	*
Chrome Oxide	1308-38-9	< 10	*
Proprietary Release Agent	Proprietary	< 10	*
Red Iron Oxide	1309-37-1	< 10	*
Kaolinite	1318-74-7	< 7	*
Cobalt Chromite Blue	68187-11-1	< 10	*
Carbon Black	1333-86-4	< 10	*
Stearic Acid	57-11-4	< 5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash skin with soap and water.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

Symptoms	General: Prolonged or repeated inhalation may damage lungs. Inhalation: May cause respiratory irritation, sneezing, coughing, burning sensation in the throat or constriction of the larynx, or difficulty breathing. contact: Redness, irritation or pain. Skin: Prolonged contact with large amounts of this product may cause mechanical irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing. Ingestion: Abdominal pain. Chronic symptoms: Shortness of breath, wheezing, cough and sputum production. May cause cancer, silicosis, lung disease, autoimmune disease, tuberculosis, and nephrotoxicity.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Thermal decomposition can lead to the release of irritating gases and vapors. Carbon monoxide. Carbon dioxide (CO₂).

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8. Avoid breathing dust/fume/gas/mist/vapors/spray.
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Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

All of the Antique Release products contain the following components with established exposure limits: Limestone, Silica Crystalline Quartz, Titanium Dioxide, Proprietary Release Agent, Kaolinite, and Stearic Acid

The Antique Release products that contain Chrome Oxide are Sandstone, Smokey Blue, Muted Green, Slate Green, Weathered Sage, and Shadow Slate. The Antique Release products that contain Cobalt Chromite Blue are Smokey Blue and Pool Blue. The Antique Release product that contains Carbon Black: Black.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Quartz, Crystalline Silica 14808-60-7	TWA: 0.025 mg/m ³ respirable particulate matter	TWA: 50 µg/m ³ TWA: 50 µg/m ³ excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m ³ respirable dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale
Chrome Oxide 1308-38-9	-	TWA: 0.5 mg/m ³ Cr (vacated) TWA: 0.5 mg/m ³ Cr	IDLH: 25 mg/m ³ Cr(III) TWA: 0.5 mg/m ³ Cr
Proprietary Release Agent	TWA: 10 mg/m ³ inhalable particulate matter except stearates of toxic metals TWA: 3 mg/m ³ respirable particulate matter except stearates of toxic metals	-	-
Red Iron Oxide 1309-37-1	TWA: 5 mg/m ³ respirable particulate matter	TWA: 10 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ fume and total dust Iron oxide (vacated) TWA: 5 mg/m ³ respirable fraction regulated under Rouge	IDLH: 2500 mg/m ³ Fe dust and fume TWA: 5 mg/m ³ Fe dust and fume
Kaolinite 1318-74-7	TWA: 1 mg/m ³ respirable particulate matter	-	-
Cobalt Chromite Blue 68187-11-1	TWA: 0.02 mg/m ³ Co inhalable particulate matter	TWA: 0.5 mg/m ³ Cr (vacated) TWA: 0.5 mg/m ³ Cr	IDLH: 25 mg/m ³ Cr(III) TWA: 0.5 mg/m ³ Cr
Carbon Black 1333-86-4	TWA: 3 mg/m ³ inhalable particulate matter	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Stearic Acid 57-11-4	TWA: 10 mg/m ³ inhalable particulate matter TWA: 3 mg/m ³ respirable particulate matter	-	-

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls

Showers

Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Powder	Odor	Odorless
Appearance	Colored Powder	Odor threshold	No information available
Color	Color will vary		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	Not applicable (solid)	
Evaporation rate	Not applicable (solid)	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		Not applicable
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	Irritating to respiratory system. Causes damage to lungs through prolonged or repeated exposure if inhaled. Overexposure to dust can cause chronic lung injury such as chronic silicosis, accelerated silicosis, and acute silicosis.
Eye contact	Avoid contact with eyes. May cause mechanical irritation (abrasion).
Skin Contact	May cause mechanical irritation (abrasion).
Ingestion	Do not ingest. If swallowed then seek immediate medical assistance.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Chrome Oxide 1308-38-9	> 5000 mg/kg (Rat)	-	-
Proprietary Release Agent	> 10 g/kg (Rat)	-	-
Red Iron Oxide 1309-37-1	> 10000 mg/kg (Rat)	-	-
Carbon Black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
Stearic Acid 57-11-4	= 4600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Not classified. (Based on mixture components.)
Serious eye damage/eye irritation	Not classified. (Based on mixture components).
Sensitization	Not Classified. This product does not contain known sensitizers at levels > or equal to 0.1%. (based on components).
Germ cell mutagenicity	Not classified. (Based on mixture components).
Carcinogenicity	May cause cancer by inhalation. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz, Crystalline Silica 14808-60-7	A2	Group 1	Known	X
Titanium Dioxide 13463-67-7	-	Group 2B	-	X
Chrome Oxide 1308-38-9	-	Group 3	-	-
Red Iron Oxide 1309-37-1	-	Group 3	-	-
Cobalt Chromite Blue 68187-11-1	A3	Cobalt Compounds Group 2B Chromium Compounds Group 3	Reasonably Anticipated	X
Carbon Black 1333-86-4	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen
 Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 X - Present

Reproductive toxicity Not classified. (Based on mixture components).
STOT - single exposure STOT SE 3 - Respiratory System. May cause irritation of respiratory tract.
STOT - repeated exposure STOT RE 1. Causes damage to lungs through prolonged or repeated exposure if inhaled. Overexposure to dust can cause chronic lung injury such as chronic silicosis, accelerated silicosis, and acute silicosis.
Aspiration hazard Not classified. (Based on mixture components).

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 3414.7 mg/kg
ATEmix (dermal) 41058.2 mg/kg
ATEmix (inhalation-dust/mist) 2573.5 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product has not been fully evaluated on the product level.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste. The Antique Release products that contain Chrome Oxide are Sandstone, Smokey Blue, Muted Green, Slate Green, Weathered Sage, and Shadow Slate. The Antique Release products that contain Cobalt Chromite Blue are Smokey Blue and Pool Blue.

Chemical Name	California Hazardous Waste Status
Chrome Oxide 1308-38-9	Toxic Corrosive Ignitable
Cobalt Chromite Blue 68187-11-1	Toxic Corrosive Ignitable

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO (air)</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Antique Release colors that contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372 are Sandstone, Smokey Blue, Muted Green, Slate Green, Weathered Sage, Shadow Slate, and Pool Blue.

Chemical Name	SARA 313 - Threshold Values %
Chrome Oxide - 1308-38-9	1.0
Cobalt Chromite Blue - 68187-11-1	0.1

SARA 311/312 Hazard Categories

See section 2 for more information

CWA (Clean Water Act)

The substances listed below are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42). The Antique Release products that contain Chrome Oxide are Sandstone, Smokey Blue, Muted Green, Slate Green, Weathered Sage, and Shadow Slate. The Antique Release products that contain Cobalt Chromite Blue are Smokey Blue and Pool Blue.

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Chrome Oxide 1308-38-9	-	X	-	-
Cobalt Chromite Blue 68187-11-1	-	X	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

WARNING: This product can expose you to chemicals including Silica, Crystalline which are known to the State of California to cause cancer, and chemicals including Hexavalent Chromium which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations. For more information, please contact your sales or technical representative.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 3	Flammability 0	Reactivity 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 3	Flammability 0	Physical hazards 0	Personal protection X

Prepared By Solomon Colors - Lab Technical Services
Issue Date 01-Feb-2018
Revision Date 05-Sep-2019
Revision Note
Periodic Review

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet