



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Revision Date 14-Apr-2026

Version 5

## 1. Identification

**Product identifier**

**Product Name** Brickform Gem Seal 100 VOC

**Other means of identification**

**Product Code** GS - 100

**UN/ID no.** UN1263

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Restricted to professional users

**Restrictions on use** Consumer use

**Details of the supplier of the safety data sheet**

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

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

**Emergency telephone number**

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

**24 Hour Emergency Phone Number** 800-373-7542

**Emergency Telephone** Hazmat Services 1-800-373-7542

## 2. Hazard(s) identification

**Classification**

Flammable liquids	Category 2
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3

**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements**



**Danger**

**Hazard statements**

Highly flammable liquid and vapor  
 Causes serious eye irritation  
 May cause genetic defects  
 May cause cancer  
 May cause respiratory irritation  
 May cause drowsiness or dizziness

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves/clothing and eye/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
 Keep container tightly closed  
 Ground and bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating / lighting/ tools / equipment  
 Use only non-sparking tools  
 Take action to prevent static discharges  
 Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 In case of fire: Use CO2, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

No information available.

**3. Composition/information on ingredients**

**Substance**

Chemical nature Mixture.

Chemical name	CAS No	Weight-%	Trade secret
Acetone	67-64-1	40-50	*

Parachlorobenzotrifluoride	98-56-6	25-35	*
Petroleum naphtha, light aromatic	64742-95-6	< 2	*
Trimethylbenzene, Isomers	25551-13-7	< 1	*
1,2,4 Trimethylbenzene	95-63-6	< 1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures**

Description of first aid measures

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Ingestion** IF SWALLOWED: Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

**Effects of Exposure** No information available.

Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**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 oxides.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin and eyes. Use personal protective equipment as required. Ensure adequate ventilation.

**Other information** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Ground and bond containers when transferring material. Dike to collect large liquid spills.

**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. Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use spark-proof tools and explosion-proof equipment. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Parachlorobenzotrifluoride 98-56-6	TWA: 2.5 mg/m <sup>3</sup> F	TWA: 2.5 mg/m <sup>3</sup> F (vacated) TWA: 2.5 mg/m <sup>3</sup>	IDLH: 250 mg/m <sup>3</sup> F
Trimethylbenzene, Isomers 25551-13-7	TWA: 10 ppm	(vacated) TWA: 25 ppm (vacated) TWA: 125 mg/m <sup>3</sup>	-
1,2,4 Trimethylbenzene	TWA: 10 ppm	-	TWA: 25 ppm

95-63-6		TWA: 125 mg/m <sup>3</sup>
<b>Chemical name</b>		<b>ACGIH</b>
Acetone 67-64-1		25 mg/L - urine (Acetone) - end of shift
Parachlorobenzotrifluoride 98-56-6		2 mg/L - urine (Fluoride) - prior to shift 3 mg/L - urine (Fluoride) - end of shift

**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).

**Hand protection**                            Impervious gloves.

**Skin and body protection**                Impervious clothing.

**Respiratory protection**                    When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**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**                                Liquid  
**Appearance**                                Clear liquid  
**Color**    Colorless  
**Odor**    Characteristic  
**Odor threshold**                              No information available

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	No data available	None known
<b>pH (as aqueous solution)</b>		None known
<b>Melting point/freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	54 °C / 130 °F	ASTM D86
<b>Flash point</b>	19 °C / 66 °F	ASTM D56
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability limit:</b>	No data available	
<b>Lower flammability limit:</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	No data available	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known

**Other information**

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	< 100 g/L
<b>Density</b>	No information available
<b>Bulk density</b>	7-8 lbs/gallon

**10. Stability and reactivity**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides.

**11. Toxicological information**

Information on likely routes of exposure

**Product Information** No acute toxicity information is available for this product. Specific test data for the substance or mixture is not available. Data is for major component in product.

<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause drowsiness or dizziness.
<b>Eye contact</b>	Causes serious eye damage.
<b>Skin contact</b>	Causes mild skin irritation.
<b>Ingestion</b>	May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

Acute toxicity

**Numerical measures of toxicity**

No information available

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

<b>ATEmix (oral)</b>	7,433.40 mg/kg
<b>ATEmix (dermal)</b>	6,031.40 mg/kg
<b>ATEmix (inhalation-vapor)</b>	128.30 mg/l
<b>ATEmix (inhalation-dust/mist)</b>	169.10 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Parachlorobenzotrifluoride 98-56-6	= 13 g/kg ( Rat )	> 3300 mg/kg ( Rabbit )	= 33 mg/L ( Rat ) 4 h

Petroleum naphtha, light aromatic 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
Trimethylbenzene, Isomers 25551-13-7	= 8970 mg/kg ( Rat )	-	-
1,2,4 Trimethylbenzene 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h

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

**Skin corrosion/irritation** Based on available data, the classification criteria are not met. Classification based on individual ingredients of the mixture.

**Serious eye damage/eye irritation** Causes serious eye irritation. Classification based on individual ingredients of the mixture.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Classification based on data available for ingredients. May cause genetic defects.

**Carcinogenicity** Contains a known or suspected carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Parachlorobenzotrifluoride 98-56-6	-	Group 2B	-	X

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** May cause drowsiness or dizziness. May cause respiratory irritation.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Other adverse effects** No information available.

**Interactive effects** No information available.

**12. Ecological information**

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetone 67-64-1	-	LC50: 4.74 - 6.33mL/L (96h, Oncorhynchus mykiss) LC50: 6210 - 8120mg/L (96h, Pimephales promelas) LC50: =8300mg/L (96h,	EC50 = 14500 mg/L 15 min	EC50: 10294 - 17704mg/L (48h, Daphnia magna) EC50: 12600 - 12700mg/L (48h, Daphnia magna)

		Lepomis macrochirus)		
Parachlorobenzotrifluoride 98-56-6	-	LC50: =3mg/L (96h, Danio rerio)	-	EC50: =3.68mg/L (48h, Daphnia magna)
Petroleum naphtha, light aromatic 64742-95-6	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: =6.14mg/L (48h, Daphnia magna)
Trimethylbenzene, Isomers 25551-13-7	-	LC50: =7.72mg/L (96h, Pimephales promelas)	-	-
1,2,4 Trimethylbenzene 95-63-6	-	LC50: 7.19 - 8.28mg/L (96h, Pimephales promelas)	-	EC50: =6.14mg/L (48h, Daphnia magna)

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

Chemical name	Partition coefficient
Acetone 67-64-1	-0.24
Parachlorobenzotrifluoride 98-56-6	3.7
1,2,4 Trimethylbenzene 95-63-6	3.63

**Other adverse effects** No information available.

### 13. Disposal considerations

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. Transport information

**DOT**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Transport hazard class(es) 3  
 Packing Group II  
 Emergency Response Guide Number 128

**TDG**

UN/ID no. UN 1263  
 Proper shipping name Paint  
 Transport hazard class(es) 3  
 Packing Group II

**MEX**

UN/ID no. UN 1263  
 Proper shipping name Paint

Transport hazard class(es) 3  
Packing Group II

**ICAO (air)**

UN/ID no. UN 1263  
Proper shipping name Paint  
Transport hazard class(es) 3  
Packing Group II

**IATA**

UN number or ID number UN 1263  
Proper shipping name Paint  
Transport hazard class(es) 3  
Packing group II

**IMDG**

UN number or ID number UN 1263  
Transport hazard class(es) 3  
Packing Group II

**15. Regulatory information**

International Inventories

TSCA Complies.

DSL/NDSL Complies.  
EINECS/ELINCS Complies.  
ENCS Complies.  
IECSC Complies.  
KECL Complies.  
PICCS Complies.  
AIIC Complies.  
NZIoC 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
- AIIC - Australian Inventory of Industrial Chemicals
- NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product 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.

Chemical name	SARA 313 - Threshold Values %
1,2,4 Trimethylbenzene - 95-63-6	1.0

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Parachlorobenzotrifluoride - 98-56-6	Carcinogen
Cumene - 98-82-8	Carcinogen
Benzene - 71-43-2	Carcinogen Developmental Male Reproductive

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X
Parachlorobenzotrifluoride 98-56-6	X	-	-
Trimethylbenzene, Isomers 25551-13-7	X	X	X
1,2,4 Trimethylbenzene 95-63-6	X	X	X
Xylene 1330-20-7	X	X	X
Cumene 98-82-8	X	X	X
Methyl Isopropyl Benzene 25155-15-1	X	-	-
Methyl Methacrylate 80-62-6	X	X	X
Benzene 71-43-2	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 2	<b>Flammability</b> 3	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 2	<b>Flammability</b> 3	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGl(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal
- Hazardous Substance Database
- International Uniform Chemical Information Database (IUCLID)
- National Institute of Technology and Evaluation (NITE)
- Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH (National Institute for Occupational Safety and Health)
- National Library of Medicine's ChemID Plus (NLM CIP)
- National Library of Medicine's PubMed database (NLM PUBMED)
- National Toxicology Program (NTP)
- New Zealand's Chemical Classification and Information Database (CCID)
- Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
- Organization for Economic Co-operation and Development High Production Volume Chemicals Program
- Organization for Economic Co-operation and Development Screening Information Data Set
- World Health Organization

**Prepared By** Solomon Colors.  
**Revision Date** 14-Apr-2026  
**Revision Note** Periodic Review.

**Disclaimer**

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.