

# SCHLUTER SET<sup>®</sup> Gray

## SAFETY DATA SHEET (SDS)

**Version:** 01  
**Date of Issue:** May 15, 2024

**According to:** Global Harmonized System (GHS); OSHA  
Hazard Communication Standard 29 CFR  
1910.1200(g) Rev. 2012; WHMIS 2015  
(Hazardous Products Regulations)

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Schluter SET<sup>®</sup> Gray  
**Product Use:** Tile adhesive  
**Other Means of Identification:** None  
**Recommended Use:** Mix with water and use for tile adhesive purposes.  
**Restrictions on Use:** Use only for the products intended purpose.

#### Manufacturer/Supplier Identification:

**US:** Schluter Systems L.P.  
194 Pleasant Ridge Road  
Plattsburgh, NY 12901

**CAN:** Schluter Systems (Canada) Inc.  
21100 chemin Ste-Marie  
Ste-Anne-de-Bellevue, QC

**Telephone:** 1-800-472-4588

**Email:** [commercialsupport@schluter.com](mailto:commercialsupport@schluter.com)

**Web Site:** <https://www.schluter.com/>

#### EMERGENCY INFORMATION

##### Emergency telephone number:

CHEMTREC: +1 (800) 424-9300 (within the US) or +1 (703) 527-3887 (outside the US)

### SECTION 2 – HAZARD IDENTIFICATION

**According to:** Global Harmonized System (GHS); OSHA Hazard Communication Standard 29 CFR  
1910.1200(d) Rev. 2012; WHMIS 2015 (Hazardous Products Regulations) Classification:

Health	Environmental	Physical
Skin Corrosion – Category 1	N/A	N/A
Eye Damage – Category 1		
Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Irritation – Category 3		
Skin Sensitization – Category 1		
Carcinogenicity – Category 1A		
Specific Target Organ Toxicity, Repeated Exposure (Organ damage; lungs) – Category 1		

N/A – not applicable/available

## Label Elements



- **Label Pictogram / Symbol:**
- **Signal Word:** Danger

Hazard Statements	Precautionary Statements
H314: Causes severe skin burns and eye damage	P260: Do not breath dusts or mists.
	P264: Wash hands thoroughly after handling.
	P280: Wear protective gloves/protective clothing/eye protection/face/protection.
	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P361+P354: IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
	P636: Wash contaminated clothing before reuse.
	P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P316: Get emergency help immediately.
	P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P405: Store locked up.
H335: May cause respiratory irritation	P501: Dispose of contents/container in a manner consistent with applicable regulations.
	P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
	P271: Use only outdoors or in a well-ventilated area.
	P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
H317: May cause an allergic skin reaction	P319: Get medical help if you feel unwell.
	P403+P233: Store in a well-ventilated place. Keep container tightly closed.
	P272: Contaminated work clothing should not be allowed out of the workplace.
H350: May cause cancer (inhalation)	P333+P317: If skin irritation or rash occurs: Get medical help.
	P362+P364: Take off contaminated clothing and wash it before reuse.
	P203: Obtain, read and follow all safety instructions before use.
	P318: IF exposed or concerned, get medical advice.
H372: Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation)	P270: Do not eat, drink or smoke when using this product.

### Other Hazards (supplemental information):

- Could produce combustible dust.

### SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

SET® Gray is a mixture, not a substance.

CAS NUMBER	EC NUMBER (EINECS/ELINCS)	CHEMICAL NAME	PERCENT (% by weight)	GHS Hazard
14808-60-7	238-878-4	Silicon dioxide	50% - 80%	H350; carcinogenicity (Category 1A), H372; specific target organ toxicity (Category 1: organ damage; lung)
65997-15-1	266-043-4	Portland cement	<40%	H314; skin corrosion (Category 1), H318; eye damage (Category 1), H317; skin sensitization (Category 1). H335; specific target organ toxicity (Category 3: may cause respiratory irritation)
68131-74-8	268-627-4	Ashes, residues	<10%	H319; eye irritation (Category 2)
68475-76-3	270-659-9	Flue dust, Portland cement	<2%	H314; skin corrosion (Category 1), H318; eye damage (Category 1), H317; skin sensitization (Category 1). H335; specific target organ toxicity (Category 3: may cause respiratory irritation)
544-17-2	208-863-7	Calcium formate	<2%	H319; eye irritation (Category 2)

The remaining ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

### SECTION 4 – FIRST AID MEASURES

**Eye:** IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, Get medical advice/attention.

**Skin:** IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. If skin irritation persists, Get medical advice/attention.

**Inhalation:** Emergency help should be contacted if the person feels unwell.

**Ingestion:** Emergency help should be contacted if the person feels unwell.

### SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point:** Not applicable

**Flammable Limits:** Not applicable

**Suitable extinguishing media:**

Use extinguishing media suitable for surrounding area if this product is involved in a fire (e.g., fog, foam, dry chemical, or carbon dioxide).

**Specific hazards arising from the product:** Dust may form explosive mixture with air. Electrostatic charging is possible.

**Special protective actions for firefighters:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing when fighting fires. Use cold water spray to cool fire-exposed containers.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Prevent contact with skin or eyes. Avoid breathing dusts. Ensure adequate ventilation. Evacuate personnel to safe areas.
<b>Environmental precautions:</b>	This product as sold in its marketed form is not considered an environmental hazard.
<b>Containing environmental effects:</b>	N/A.
<b>Measures when handling spilled substance:</b>	Clear area of personnel. Avoid sweeping or other methods of collection generating dusts. Use water to dampen the powder to prevent dust formation. Clean up spill as soon as possible, observing precautions in Section 8.
<b>Reporting:</b>	N/A.

## SECTION 7 – HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Do not breathe dust. Do not eat, drink, or smoke when using. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid contaminating soil or releasing this product into sewage and drainage systems and bodies of water.
<b>Conditions for safe storage:</b>	Store in cool, dry, well-ventilated area. Keep away from sources of ignition.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure limit values

Component	CAS Number	Type	Exposure Limit	Form
Portland cement	65997-15-1	ACGIH TWA	1 mg/m <sup>3</sup>	Respirable particulate matter
		OSHA PEL (TWA)	15 mg/m <sup>3</sup> , 5 mg/m <sup>3</sup>	Total dust, respirable fraction
		NIOSH REL (TWA)	10 mg/m <sup>3</sup> , 5 mg/m <sup>3</sup>	Total, resp
Silicon dioxide	14808-60-7	ACGIH TWA	0.025 <sup>R</sup> mg/m <sup>3</sup>	Respirable fraction
		OSHA PEL (TWA)	0.05 mg/m <sup>3</sup>	Respirable fraction
		NIOSH REL (TWA)	0.05 mg/m <sup>3</sup>	Total dust
R – Measured as respirable fraction of the aerosol				

### Appropriate engineering controls

<b>Work/Hygienic practices:</b>	Consider the potential hazards of this material, applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended.
<b>Ventilation:</b>	Ensure adequate ventilation to maintain exposures below occupational limits.
<b>Other equipment:</b>	The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

### Individual protection measures - Personal protective equipment (PPE)

<b>Eye/Face Protection:</b>	Wear safety glasses with side shields or chemical goggles to safeguard against potential eye contact, irritation, or injury is recommended.
<b>Hands/Skin Protection:</b>	Wear impervious gloves to avoid repeated or prolonged skin contact with dusts and to avoid any skin injury. The need for additional protective equipment should be based upon a hazard assessment and recommendations from health / safety professionals.

**Respiratory Protection:**

Dust and fumes from processing: Use NIOSH-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limits listed above. Suitable respiratory protective device recommended: P95.

**Thermal Hazards:**

None known.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Note: The data below are typical values and do not constitute a specification.

<b>Appearance</b> Physical state: Color: Odor/Odor threshold:	Solid (powder) Gray Odorless	Vapor density (Air = 1): Specific gravity (Water = 1):	No data available
pH:	No data available	Partition Coefficient: n-octanol/water	No data available
Melting/freezing point:	No data available	Water solubility:	No data available
Boiling point/range:	Undetermined	Auto-ignition Temperature:	No data available
Flash point:	Not applicable	Decomposition Temperature:	No data available
Evaporation rate:	No data available	Viscosity:	No data available
Flammability:	No data available	Oxidizing properties:	No data available
Upper/lower flammability limits	No data available	Molecular Weight:	No data available
Vapor pressure:	No data available	Relative density:	No data available

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity:</b>	Unreactive.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	None known.
<b>Incompatibility:</b>	None known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** Eye, skin and inhalation of dust.

**Potential signs and symptoms of overexposure:** Corrosion (eye, skin), irritation (respiratory)

### Acute Effects

<b>Oral toxicity:</b>	No information available on finished product
<b>Dermal toxicity:</b>	No information available on finished product
<b>Inhalation toxicity:</b>	No information available on finished product
<b>Skin corrosion/irritation:</b>	Portland cement (CAS No. 65997-15-1) and flue dust, Portland cement (CAS No. 68475-76-3) are classified for skin corrosion based on available information.
<b>Serious eye damage/irritation:</b>	Portland cement (CAS No. 65997-15-1) and flue dust, Portland cement (CAS No. 68475-76-3) are classified for eye damage based on available information. Other ingredients may be eye irritants based on available information.
<b>Skin sensitization:</b>	Portland cement (CAS No. 65997-15-1) and flue dust, Portland cement (CAS No. 68475-76-3) are classified for skin sensitization based on available information.
<b>Respiratory sensitization:</b>	No information available on finished product

## Other Health Effects

**Germ Cell Mutagenicity:** No information available on finished product.

**Carcinogenicity:** Silicon dioxide (CAS No. 14808-60-7) is classified by IARC for carcinogenicity (inhalation).

**Developmental/Reproductive Toxicity:** No information available on finished product.

**Specific target organ toxicity (single exposure):** Portland cement (CAS No. 65997-15-1) and flue dust, Portland cement (CAS No. 68475-76-3) are known to cause respiratory irritation based on available information.

**Specific target organ toxicity (repeated exposure):** Silicon dioxide (CAS No. 14808-60-7) may cause damage to organs (lungs) through repeated or prolonged exposure (inhalation) according to available information.

**Aspiration hazard:** No information available on finished product.

## SECTION 12 – ECOLOGICAL INFORMATION

**Toxicity:** No information available on finished product.

**Persistence and biodegradability:** No data available.

**Bioaccumulation potential:** No data available.

**Mobility in soil:** No data available.

**Other information:** Avoid release to the environment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal methods:** Avoid release to the environment. Dispose of in accordance with local, state, and federal requirements. This product as sold in its marketed form is not considered an environmental hazard. When discarded, allow hot or heated material to solidify and cool before disposal.

**Container:** Place contaminated materials in disposal containers and dispose of them in a manner consistent with applicable regulations.

## SECTION 14 – TRANSPORT INFORMATION

<b>Agency:</b>	<b>Shipping Description:</b>
<b>DOT/TDG</b>	NOT REGULATED AS HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER DOT 49 CFR
<b>IMO/IMDG</b>	NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE
<b>ICAO/IATA</b>	NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

<b>UN/NA number:</b>	Not classified
<b>Proper shipping name:</b>	Not classified
<b>Hazard class:</b>	Not classified
<b>Packing group:</b>	Not classified
<b>Environmental hazards:</b>	Not classified
<b>Transport in bulk:</b>	Not classified
<b>Special precautions for user:</b>	Not classified

## SECTION 15 – REGULATORY INFORMATION

**Chemical Safety Assessment:** None available

### United States Federal Regulations:

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** No components in this product >0.1% are subject to reporting under CERCLA.

**Clean Water Act (CWA):** The ingredients in the product are not listed as toxic pollutants.

**Clean Air Act (CAA):** The ingredients in the product are not listed as hazardous air pollutants.

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA 302/304 Components:** The ingredients in the product are not subject to reporting requirements of S.302 and S.304.

**SARA 311/312 Hazards:** Skin and eye corrosion, respiratory irritation.

**SARA 313 Components:** The ingredients in the product are not subject to reporting levels established by S.313.

**Toxic Substances Control Act:** Gypsum ( $\text{Ca}(\text{SO}_4) \cdot 2\text{H}_2\text{O}$ ) (CAS No. 13397-24-5), calcium sulphate (CAS No. 10101-41-4) and cellulose, 2-hydroxyethyl methyl ether (CAS No. 9032-42-2) are not listed on the TSCA inventory. All other ingredients are listed on the TSCA inventory.

**State:**

**California (Proposition 65):** Silicon dioxide (CAS No. 14808-60-7) [listed as silica, crystalline (airborne particles of respirable size)] is listed on the California Proposition 65 List as a carcinogen. Trace amounts of chromate compounds are also present in the product. No other ingredient is listed on the Proposition 65 list.

**Canada:**

**DSL/NDSL:** Calcium sulphate (CAS No. 10101-41-4) is not listed on the DSL/NDSL. All other ingredients are listed or exempt.

**Other:**

**IARC:** Silicon dioxide (CAS No. 14808-60-7) is classified as carcinogenic to humans (Group 1). No other ingredient in this product is classified with respect to carcinogenicity.

**SECTION 16 – OTHER INFORMATION**

**National Fire Protection Association (NFPA) Ratings:** This information is provided solely for the use of individuals trained in the NFPA system.



**Health: 3**

**Flammability: 1**

**Reactivity: 0**

**Acronyms and abbreviations that may have been used in this document:**

ACGIH: American Conference of Governmental Industrial Hygienists	NFPA: National Fire Protection Association
CAS: Chemical Abstract Service Number	NTP: National Toxicology Program
CAA: Clean Air Act	NIOSH: National Institute for Occupational Safety and Health
CERCLA: Comprehensive Environmental Response and Liability Act	NFPA: National Fire Protection Association
CLP: Classification, Labelling, and Packaging of Substances and Mixtures:	N/A: not applicable/available
CWA: Clean Water Act	NTP: National Toxicology Program
DOT: Department of Transport	OSHA: Occupational Safety and Health Administration
DSL: Domestic Substance List	PNOR: Particulates Not Otherwise Regulated
EC: European Community	PPE: Personal Protective Equipment
EINECS: European Inventory of Existing Chemical Substances	SARA: Superfund Amendment and Reauthorization Act
ELINCS: European List of Notified Chemical Substances	SCL: Specific Concentration Limit
GHS: Global Harmonized System of Classification and Labelling of Chemicals	SDS: Safety Data Sheet
IARC: International Agency for Research on Cancer	TDG: Transportation of Dangerous Goods
IATA: International Air Transport Association	TSCA: Toxic Substances Control Act:
ICAO: International Civil Aviation Organization	UN/NA: United Nations/North America
IMO: International Maritime Organization	US EPA: US Environmental Protection Agency





IMDG: International Maritime Dangerous Goods	WHMIS: Workplace Hazardous Materials Information System
NDSL: Non-Domestic Substances List	

**References:**

ECHA Registered Substances Database. 2024. <http://echa.europa.eu/>

**Revision Indicator:** This is a new Safety Data Sheet.

**Creation Date:** April 26, 2024

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.