

SCHLUTER ALL SET[®] 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 ALL SET[®] 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
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.
	P363: 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.
	P501: Dispose of contents/container in a manner consistent with applicable regulations.
H335: May cause respiratory irritation	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.
	P319: Get medical help if you feel unwell.
	P403+P233: Store in a well-ventilated place. Keep container tightly closed.
H317: May cause an allergic skin reaction	P272: Contaminated work clothing should not be allowed out of the workplace.
	P333+P317: If skin irritation or rash occurs: Get medical help.
	P362+P364: Take off contaminated clothing and wash it before reuse.
H350: May cause cancer (inhalation)	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

ALL 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% - 70%	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	<3%	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

Personal precautions:	Prevent contact with skin or eyes. Avoid breathing dusts. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions:	This product as sold in its marketed form is not considered an environmental hazard.
Containing environmental effects:	N/A.
Measures when handling spilled substance:	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.
Reporting:	N/A.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling:	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.
Conditions for safe storage:	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 OSHA PEL (TWA) NIOSH REL (TWA)	1 mg/m ³ 15 mg/m ³ , 5 mg/m ³ 10 mg/m ³ , 5 mg/m ³	Respirable particulate matter Total dust, respirable fraction Total, resp
Silicon dioxide	14808-60-7	ACGIH TWA OSHA PEL (TWA) NIOSH REL (TWA)	0.025 ^R mg/m ³ 0.05 mg/m ³ 0.05 mg/m ³	Respirable fraction Respirable fraction Total dust
R – Measured as respirable fraction of the aerosol				

Appropriate engineering controls

Work/Hygienic practices:	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.
Ventilation:	Ensure adequate ventilation to maintain exposures below occupational limits.
Other equipment:	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)	
Eye/Face Protection:	Wear safety glasses with side shields or chemical goggles to safeguard against potential eye contact, irritation, or injury is recommended.
Hands/Skin Protection:	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.
None known.

Thermal Hazards:

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance 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

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

Oral toxicity: No information available on finished product
Dermal toxicity: No information available on finished product
Inhalation toxicity: No information available on finished product
Skin corrosion/irritation: 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.
Serious eye damage/irritation: 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.
Skin sensitization: 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.
Respiratory sensitization: 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

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

UN/NA number: Not classified

Proper shipping name: Not classified

Hazard class: Not classified

Packing group: Not classified

Environmental hazards: Not classified

Transport in bulk: Not classified

Special precautions for user: 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): Formaldehyde (CAS 50-00-0) and vinyl acetate (CAS No. 108-05-4) are listed as hazardous air pollutants. The other ingredients in the product are not listed as hazardous air pollutants.

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

SARA 302/304 Components: Formaldehyde (CAS 50-00-0) and vinyl acetate (CAS No. 108-05-4) are subject to the reporting requirements of S.302 and S.304. The other 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: Vinyl acetate (CAS No. 108-05-4), methanol (CAS No. 67-56-1), acetaldehyde (CAS No. 75-07-0) and formaldehyde (CAS No. 50-00-0) are subject to reporting levels established by S.313. The other ingredients in the product are not subject to reporting levels established by S.313.

Toxic Substances Control Act: Gypsum (Ca(SO₄).2H₂O) (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)], methanol (CAS No. 67-56-1), acetaldehyde (CAS No. 75-07-0) and formaldehyde (CAS No. 50-00-0) are listed on the California Proposition 65 List as carcinogens or reproductive toxins. Trace amounts of chromate compounds are also present in the product. No other ingredient is listed on the Proposition 65 list.

Canada:

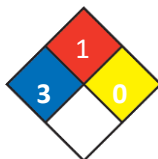
DSL/NDSL: Calcium sulphate (CAS No. 10101-41-4) is not listed on the DSL/NDSL. All other ingredients are listed or exempt.

Other:

IARC: Silicon dioxide (CAS No. 14808-60-7), acetaldehyde (CAS No. 75-07-0) and formaldehyde (CAS No. 50-00-0) are classified as carcinogenic to humans (Group 1). Vinyl acetate (CAS No. 108-05-4) is classified as possibly carcinogenic to humans (Group 2B). 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.