



# SCHLUTER SYSTEMS SOLID BRASS ALLOY PRODUCTS

## SAFETY DATA SHEET (SDS)

**Version:** 01

**Date of Issue:** January 26, 2026

**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 Systems Solid Brass Alloy Products  
**Product Description:** Schluter Systems Solid Brass Alloy products including profiles.  
**Product Use:** Schluter Systems Solid Brass Alloy products have a variety of uses associated with the installation of building finishes. These include edge protection, transitions, and other uses as indicated in the product-specific description.

#### 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 H9X 3Y8

**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(g) Rev. 2012; WHMIS 2015 (Hazardous Products Regulations) Classification:

Health	Environment	Physical
None	None	None

NOTE: The product in its finished, marketed form is believed to be inert and generally innocuous. These classifications/hazards are pertaining to a compromised/disrupted product due to processing such as sanding, grinding, burning etc. Avoid inhalation of metal dusts and fumes. May cause an influenza-like illness. Avoid skin and eye contact with dusts to prevent mechanical irritation. User-generated dust is easily ignited and difficult to extinguish. This product contains components that are environmentally hazardous and small chips, fine turnings, and dust from processing may be toxic to aquatic life.



**Label Elements**

- **Label Pictogram:** Not applicable
- **Signal Word:** Not applicable
- **Hazard Statements:** Not applicable
- **Precautionary Statements:** Not applicable

**Other Hazards (supplemental information):**

- **Dust and fume from processing:** Can cause irritation of the eyes, skin and respiratory tract.
- **Additional health effects from elevated temperature processing (e.g., welding, melting):**
  - Acute overexposure: Can cause metal fume fever, reduced ability of the blood to carry oxygen and the accumulation of fluid in the lungs.
- Non-combustible as supplied. Small chips, fine turnings and dust from processing may be readily ignitable.
- **Explosion/fire hazards may be present when:**
  - Dust or fines are dispersed in air.
  - Chips, dust or fines are in contact with water.
  - Dust and fines are in contact with certain metal oxides (e.g., rust, copper oxide).
  - Molten metal is in contact with water/moisture or certain metal oxides (e.g., rust, copper oxide).

**SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS**

**PRELIMINARY STATEMENT:**

The product in its finished, marketed form is believed to be inert and generally innocuous. Complete composition is provided below and may include some components classified as non-hazardous.

**Roll Formed Profiles and Extruded Profiles**

CAS NUMBER	EC NUMBER (EINECS/ELINCS)	CHEMICAL NAME	PERCENT OF PRODUCT (% weight)
7440-50-8	231-159-6	Copper	43-63%
7440-66-6	231-158-0	Zinc	37-57%
7429-90-5	231-072-3	Aluminum	0.05-0.5%
7439-89-6	231-096-4	Iron	0.1-0.3%
7440-02-0	231-111-4	Nickel	0.3%
7439-92-1	231-100-4	Lead	0.1-3%
7440-31-5	231-141-8	Tin	0.1-0.3%
N/A	N/A	Other elements	0.1-0.2%

Exact composition will vary. Unless additional information is available, processor should assume that all potential ingredients are present.

**SECTION 4 – FIRST AID MEASURES**

**Eye:** Dust and fumes from processing: Rinse eyes with plenty of water or saline for at least 15 minutes. Consult a physician.

**Skin:** Dust and fumes from processing: Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.



- Inhalation:** Dust and fumes from processing: Remove to fresh air. Check for clear airway, breathing, and presence of pulse. Provide cardiopulmonary resuscitation for persons without pulse or respirations. If breathing is difficult, provide oxygen. Loosen any tight clothing on neck or chest. Consult a physician.
- Ingestion:** Product in its marketed form is inert. If large amounts are swallowed, call physician, immediately.

## SECTION 5 – FIRE FIGHTING MEASURES

- Flash Point:** Not applicable
- Flammable Limits:** Not applicable
- Suitable extinguishing media:** Non-flammable. Will not support combustion. Not applicable for solid product. Use extinguishers appropriate for surrounding materials. Do not use water spray on molten metal. Use Class D dry powder extinguishing agents on fines, dust, or molten metal.
- Specific hazards arising from the product:** Not applicable for solid product.
- Special protective actions for firefighters:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing when fighting fires. At temperatures above the melting point, fumes containing metal oxides and other alloying elements may be liberated.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Not applicable to brass in solid state. Avoid dust formation. Ensure adequate ventilation. Clean-up personnel should be protected against contact with eyes and skin protection.
- 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:** Not applicable to brass in solid state. Pick up mechanically. Collect scrap for recycling.
- Reporting:** N/A.

## SECTION 7 – HANDLING AND STORAGE

- Precautions for safe handling:** Avoid generating dust. Avoid contact with sharp edges or heated metal. Use personal protection recommended in Section 8 of the SDS.
- Conditions for safe storage:** No special measures required.



## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Solid metallic products are generally classified as “articles” and do not constitute a hazardous material in solid form under the definition of the OSHA Hazard Communication Standard (29 CFR 1910.1200). Any articles manufactured from these solid products would be generally classified as non-hazardous.

### Exposure limit values

Component	CAS Number	Type	Exposure Limit	Form
Aluminum	7429-90-5	ACGIH TWA	1 mg/m <sup>3</sup>	Respirable fraction
		OSHA PEL (TWA)	15 mg/m <sup>3</sup>	Total dust
		OSHA PEL (TWA)	5 mg/m <sup>3</sup>	Respirable fraction
		NIOSH REL (TWA)	10 mg/m <sup>3</sup>	Total dust
		NIOSH REL (TWA)	5 mg/m <sup>3</sup>	Respirable fraction
Copper (fume)	7440-50-8	ACGIH TWA	0.2 mg/m <sup>3</sup>	fume
		OSHA PEL (TWA)	0.1 mg/m <sup>3</sup>	fume
		NIOSH REL (TWA)	0.1 mg/m <sup>3</sup>	fume
Copper (dust)	7440-50-8	ACGIH TWA	1 mg/m <sup>3</sup>	Dusts and mists
		OSHA PEL (TWA)	1 mg/m <sup>3</sup>	Dusts & mists
		NIOSH REL (TWA)	1 mg/m <sup>3</sup>	Except fume
Iron Oxide Fume	1309-37-1	OSHA PEL (TWA)	10 mg/m <sup>3</sup>	Not specified
	1332-37-2	NIOSH REL (TWA)	5 mg/m <sup>3</sup>	Not specified
	1345-25-1	ACGIH TWA	5 mg/m <sup>3</sup>	Respirable particulate matter
Iron Salts, soluble	7439-89-6	NIOSH REL (TWA)	1 mg/m <sup>3</sup>	Not specified
		ACGIH TWA	1 mg/m <sup>3</sup>	Not specified
Lead	7439-92-1	ACGIH TWA	0.05 mg/m <sup>3</sup>	Lead and inorganic compounds
		OSHA PEL (TWA)	0.05 mg/m <sup>3</sup>	
		OSHA Action Level	0.03 mg/m <sup>3</sup>	
		NIOSH REL (TWA)	0.05 mg/m <sup>3</sup>	
Nickel (Ni)	7440-02-0	OSHA PEL (TWA)	1 mg/m <sup>3</sup>	Not specified
		NIOSH REL (TWA)	0.015 mg/m <sup>3</sup>	Not specified
		ACGIH TWA	1.5 mg/m <sup>3</sup>	Elemental: Inhalable particulate matter
		ACGIH TWA	0.2 mg/m <sup>3</sup>	Insoluble inorganic compounds: Respirable particulate matter
Tin	7440-31-5	ACGIH TWA	2 mg/m <sup>3</sup>	Tin and inorganic compounds
		OSHA PEL (TWA)	2 mg/m <sup>3</sup>	
		NIOSH REL (TWA)	2 mg/m <sup>3</sup>	
Zinc oxide, dust and fume	1314-13-2	OSHA PEL (TWA)	5 mg/m <sup>3</sup>	Not specified
		NIOSH REL (TWA)	5 mg/m <sup>3</sup>	Not specified
		ACGIH TWA	2 mg/m <sup>3</sup>	Respirable particulate matter

### 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. Provide general or local exhaust to minimize airborne concentrations during cutting operations.

#### Ventilation:

Local exhaust ventilation should be used to control the emissions of air contaminants. General dilution ventilation may assist with the reduction of air contaminant concentrations.



**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. Wear face shield when cutting profile.

**Hands/Skin Protection:** The need for 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:** No known hazards.

**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 Yellow-brown metal odorless	Vapor density (Air = 1):	Not applicable
pH:	Not applicable	Partition Coefficient: n-octanol/water	Not applicable
Melting/freezing point:	Not determined	Water solubility:	Insoluble
Boiling point/range:	Not applicable	Auto-ignition Temperature:	Not applicable
Flash point:	Not applicable	Decomposition Temperature:	Not applicable
Evaporation rate:	Not applicable	Viscosity:	Not applicable
Flammability:	Not applicable	Oxidizing properties:	Not applicable
Upper/lower flammability limits	Not applicable	Molecular Weight:	Not applicable
Vapor pressure:	Not applicable	Relative density:	Not applicable

**SECTION 10 – STABILITY AND REACTIVITY**

Brass alloys are stable under normal storage and handling conditions.

**Conditions to avoid:**

Chips, fines, dust and molten metal are considerably more reactive with the following:

- Galvanic corrosion: When brass is in contact with a different metal (like silver or iron) in the presence of an electrolyte (like moisture), one metal will corrode preferentially.
- Strong oxidizers.
- Acids and alkalis.
- Halogenated compounds.



## SECTION 11 – TOXICOLOGICAL INFORMATION

Product sold in its marketed form is not expected to present a serious health hazard.

During processing, the most significant route of exposure is by the inhalation (breathing) of fumes and dust. If fumes are inhaled, they can cause a condition commonly known as metal fume fever with symptoms which resemble influenza; Symptoms may be delayed 4-12 hours and begin with a sudden onset of thirst, and a sweet, metallic or foul taste in the mouth. Other symptoms may include upper respiratory tract irritation accompanied by coughing and a dryness of the mucous membranes, lassitude and a generalized feeling of malaise. Fever, chills, muscular pain, mild to severe headache, nausea, occasional vomiting, exaggerated mental activity, profuse sweating, excessive urination, diarrhea and prostration may also occur. Contact with fumes or metal powder will irritate skin and eyes. Contact with hot, molten metal will cause thermal burns. Dust may cause irritation in skin folds or by contact in combination with tight clothing. Mechanical damage via flying particles and chipped slag is possible. During metal processing dusts will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes.

**Likely routes of exposure:** None for material in solid state. Processing product may produce dust affecting eye, skin, or lead to inhalation of dust.

**Potential signs and symptoms of overexposure:** Irritation (eye, skin, 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>	Dusts may cause skin irritation.
<b>Serious eye damage/irritation:</b>	Dusts may cause serious eye irritation.
<b>Skin sensitization:</b>	No information available on finished product. Several ingredients are skin sensitizers; however, the concentrations of the ingredients and the multilayer composition of the product do not warrant classification.
<b>Respiratory sensitization:</b>	No information available on finished product.

### Other Health Effects

**Germ Cell Mutagenicity:** No information available on finished product.  
**Carcinogenicity:** Finished product not assessed by IARC, NTP or US EPA for carcinogenicity.  
**Developmental/Reproductive Toxicity:** No information available on finished product.  
**Specific target organ toxicity (single exposure):** Dusts may cause respiratory irritation.  
**Specific target organ toxicity (repeated exposure):** No information available on finished product.  
**Aspiration hazard:** No information available on finished product.

## SECTION 12 – ECOLOGICAL INFORMATION

**Toxicity:** No information available on finished product. Due to the insolubility of the material in water, separation takes place during filtration and sedimentation procedure.

**Persistence and biodegradability:** This inert product is not considered to be rapidly biodegradable.

**Bioaccumulation potential:** No data available.

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

**Other adverse effects:** No data available.



**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Disposal methods:** 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 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):** The finished product is not listed under CERCLA and has no reportable quantity. Copper (CAS 7440-50-8), lead (CAS 7439-92-1) and zinc (CAS 7440-66-6) are listed on the CERCLA Hazardous Substance List (40 CFR 302.4).

**Clean Water Act (CWA):** The finished product is not listed as toxic pollutants.

**Clean Air Act (CAA):** The finished product is not listed as hazardous air pollutants.

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

**SARA 302 Components:** The finished product is not subject to reporting requirements of S.302.

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

**SARA 313 Components:**

<b>Ingredient</b>	<b>CAS No.</b>
Aluminum (fume or dust)	7429-90-5
Copper	7440-50-8
Lead	7439-92-1
Zinc	7440-66-6

The finished product is not subject to reporting levels established by S.313.

**Toxic Substances Control Act:** All components are listed on the TSCA inventory or exempt.



**State:**

**California:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

**Canada:**

**DSL/NDSL:** All components are listed or exempt.

**Other:**

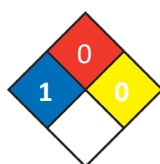
**IARC:** Finished product not assessed by IARC for carcinogenicity.

**NTP:** Finished product not classified as known or reasonably anticipated carcinogen.

**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: 1**  
**Flammability: 0**  
**Reactivity: 0**



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

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

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

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**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.**