



# SCHLUTER SYSTEMS ZINC COATED SCREWS

## SAFETY DATA SHEET (SDS)

**Version:** 01

**Date of Issue:** September 29,  
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 Zinc Coated Screws  
**Product** Coated screws.  
**Description:**  
**Product Use:** Zinc coated screws for use of installing Schluter® products.

#### 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.

#### 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):**
  - Not applicable.



- Non-combustible as supplied. Small chips, fine turnings and dust from processing may be readily ignitable.
- **Explosion/fire hazards may be present when:**
  - None known.

### 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.

| CAS NUMBER        | EC NUMBER<br>(EINECS/ELINCS) | CHEMICAL NAME   | PERCENT<br>(% weight) |
|-------------------|------------------------------|-----------------|-----------------------|
| <b>Screw</b>      |                              |                 |                       |
| 7440-44-0         | 231-153-3                    | Carbon (C)      | <1%                   |
| 7439-96-5         | 231-105-1                    | Manganese (Mn)  | <1%                   |
| 7723-14-0         | 231-768-7                    | Phosphorous (P) | <0.1%                 |
| 7440-21-3         | 231-130-8                    | Silicon (Si)    | <0.1%                 |
| 7440-50-8         | 231-159-6                    | Copper (Cu)     | <0.1%                 |
| 7440-02-0         | 231-111-4                    | Nickel (Ni)     | <0.1%                 |
| 7440-47-3         | 231-157-5                    | Chromium (Cr)   | <0.1%                 |
| 7429-90-5         | 231-072-3                    | Aluminum (Al)   | <0.1%                 |
| <b>Base Metal</b> |                              |                 |                       |
| 7439-89-6         | 231-096-4                    | Iron (Fe)       | Balance               |
| <b>Coating</b>    |                              |                 |                       |
| 7440-66-6         | 231-175-3                    | Zinc (Zn)       | <10%                  |

Note: Exact composition will vary. Note that elements will be present as oxides.  
Oxide compounds are listed in Section 8.



#### SECTION 4 – FIRST AID MEASURES

- Eye:** No specific first aid measures are required.
- Skin:** No specific first aid measures are required.
- Inhalation:** No specific first aid measures are required.
- 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 products 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 products 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. Hot and cold products are not visually different. Hot screws do not necessarily glow red. 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

### Exposure limit values

There are no exposure limits for zinc coated screws.

### Appropriate engineering controls

**Work/Hygienic practices:** No special measures required.

**Ventilation:** No special measures required.

**Other equipment:** No special measures required.

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

**Eye/Face Protection:** Wear safety glasses with side shields.

**Hands/Skin Protection:** No special measures required.

**Respiratory Protection:** No special measures required.

**Thermal Hazards:** No special measures required.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

|                                                                        |                                           |                                           |                |
|------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|----------------|
| <b>Appearance</b><br>Physical state:<br>Color:<br>Odor/Odor threshold: | Solid<br>Silver grey metallic<br>odorless | Vapor density (Air = 1):                  | Not applicable |
| pH:                                                                    | Not applicable                            | Partition Coefficient:<br>n-octanol/water | Not applicable |
| Melting point:                                                         | ca. 1530°C (ca. 2786°F)                   | 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<br>flammability limits                                     | Not applicable                            | Molecular Weight:                         | Not applicable |
| Vapor pressure:                                                        | Not applicable                            | Relative density:                         | Not applicable |

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Unreactive.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:**

- Contact with mineral acids will release flammable hydrogen gas. Dust formation.
- Strong acids.

**Incompatibility:** None known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

Products sold in marketed form are not expected to present a serious health hazard.

**Likely routes of exposure:** None for product in its solid state.

**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; certain forms of nickel are associated with dermal sensitization. |
| <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. Nickel (CAS No 7440-02-0) is classified by IARC for carcinogenicity (inhalation).

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

**Specific target organ toxicity (single exposure):** Zinc oxide (CAS No. 1314-13-2) has been classified for specific target organ toxicity (single exposure, Category 2; may cause irritation to the gastrointestinal tract through oral exposure). Dusts may cause respiratory irritation.

**Specific target organ toxicity (repeated exposure):** No information available on finished product. Inhalation of finely divided metallic powder may cause pulmonary fibrosis. Nickel (CAS No 7440-02-0) 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 data available for product in its solid state. Due to the insolubility of the material in water, a separation takes place during filtration and sedimentation procedure. Zinc oxide (1314-13-2) is classified for acute and chronic aquatic toxicity.

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



**Bioaccumulation potential:** No data available.

**Mobility in soil:** No data available for product in its solid state. Individual metal dusts may migrate into soil and groundwater and be absorbed by plants.

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

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal methods:** Product should be recycled whenever possible. Dispose of in accordance with applicable federal, provincial/state or local regulations. 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

| 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               |

|                                      |                |
|--------------------------------------|----------------|
| <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. Chromium (CAS 7440-47-3) and nickel (CAS 7440-02-0) 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:**

| Ingredient     | CAS No.   |
|----------------|-----------|
| Manganese (Mn) | 7439-96-5 |
| Nickel (Ni)    | 7440-02-0 |
| Chromium (Cr)  | 7440-47-3 |

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.

**State:**

**California:** The finished product is not listed on the Proposition 65 list. The nickel listed as an ingredient in Section 3 is chemically bonded into the product. Working with (cutting, bending, deburring) this product does not expose the worker to free nickel below 10 microns in size. No Proposition 65 warning for the product is required. No other ingredient in the product is listed on the Proposition 65 list.

**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.

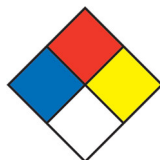
## SECTION 16 – OTHER INFORMATION

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

**Health: 0**

**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.

**Creation Date:** July 27, 2026

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.