



**Safety Data Sheet**  
**OSHA Hazard Communication Standard**  
**29 CFR 1910.1200. Prepared to GHS Rev 3.**

Date of issue: 06.05.2023

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**Trade name: Twister Underground Wire Connector**

**SECTION 1: Identification**

**Product identifier used on the label:**

**Product Name:** Twister Underground Wire Connector

**Other means of identification:**

**Product Code Number:** 30-x60, 30-x64, 30-x66 (with & without Y suffix)

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

**Recommended use:** Wire Connector.

**Recommended restrictions:** Uses other than those described above.

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**

**Company Name:** IDEAL INDUSTRIES, INC.

**SECTION 2: Hazard(s) identification**

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

**Physical hazards**

None expected.

**Health hazards**

Eye irritation, category 2A.

**Environmental hazards**

Not adopted under OSHA paragraph (d) of §1910.1200

**GHS Signal word:** WARNING

**GHS Hazard statement(s):** Causes serious eye irritation

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GHS Hazard symbol(s):



GHS Precautionary statement(s):

**Prevention:**

- Wash thoroughly after handling.
- Wear eye protection/face protection.

**Response:**

- 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.

**Storage:**

- None required.

**Disposal:**

- None required

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**

25% of the mixture consists of ingredients of unknown acute toxicity (oral/dermal/inhalation).

## SECTION 3: Composition/information on ingredients

| Chemical name     | CAS#       | Concentration (weight %) |
|-------------------|------------|--------------------------|
| Silicone Compound | 63148-62-9 | < 25%                    |
| Zinc Dust         | 7440-66-6  | < 0.02%                  |

NOTE: The balance of the ingredients is not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

## SECTION 4: First-aid measures

**Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:**

**Inhalation:** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult,

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give oxygen. Oxygen should only be administered by qualified personnel. Call a physician if symptoms develop.

**Skin contact:** Wash immediately with plenty of water and soap for 15 minutes and rinse thoroughly. Remove clothing while washing. Call a physician if symptoms develop.

**Eye contact:** In case of contact with eyes, flush with water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Do not apply neutralizing agents. Call a physician if symptoms develop.

**Ingestion:** Do NOT induce vomiting. If swallowed, wash mouth out with water provided the person is conscious. NEVER GIVE LIQUIDS TO AN UNCONCIOUS PERSON. Call a physician if symptoms develop.

**Most important symptoms/effects, acute and delayed:**

Causes serious eye irritation.

**Indication of immediate medical attention and special treatment needed:**

If any symptoms are observed, contact a physician and give them this SDS sheet. Treat symptomatically.

## SECTION 5: Fire-fighting measures

**Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:** Dry chemical, foam, water spray, carbon dioxide. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):**

Not combustible.

Hazardous combustion products may include the following substances: Carbon monoxide, Carbon dioxide.

**Special protective equipment and precautions for fire-fighters:**

Use water spray or fog for cooling exposed containers. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate all non-emergency personnel from area. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

## SECTION 6: Accidental release measures

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

No action shall be taken involving any personal risk or without suitable training. Isolate the area. Evacuate personnel to safe areas. Approach from upwind. Ventilate the area. Keep away from incompatible products. Prevent further leakage or spillage if safe to do so.

Wear chemical resistant personal protective equipment, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Environmental Precautions:**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways.

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## Methods and material for containment and cleaning up:

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal. See Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Wear recommended personal protective equipment (See Section 8). Avoid eye and skin contact. Remove contaminated clothing. Keep away from incompatible products. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### Conditions for safe storage, including any incompatibles:

Store in a well-ventilated area. Store at ambient temperature. Keep container closed when not in use. Make sure containers are properly labeled.

Incompatible materials: Strong oxidizing agents, nitrites.

Storage temperature - 40-180 °F.

## SECTION 8: Exposure controls/personal protection

**OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.**

| Substance         | OSHA PEL   | ACGIH TLV  | NIOSH IDLH |
|-------------------|------------|------------|------------|
| Silicone Compound | None known | None known | None known |
| Zinc Dust         | None known | None known | None known |

### Appropriate engineering controls:

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Concentrations should be monitored hazardous substances in the workplace in accordance with recognized test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

### Individual protection measures, such as personal protective equipment:

**Eye/face protection:** Wear safety glasses or chemical safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

**Skin and Hand protection:** Wear impervious gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid

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skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** None normally required. In the case of dust or aerosol formation use respirator with an approved filter. Recommended Filter type: P2.

**General hygiene considerations:** Eye wash fountains should be located in the work areas. Take off contaminated clothing and shoes immediately. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

### SECTION 9: Physical and chemical properties

#### Appearance (physical state, color, etc.):

**Physical state:** Solid.

**Color:** Various.

**Odor:** Not determined.

**Odor threshold:** Not determined.

**pH:** Not applicable

**Melting point/freezing point:** Not determined.

**Initial boiling point and boiling range:** Not determined.

**Flash point:** Not determined.

**Evaporation rate:** Not determined.

**Flammability (solid, gas):** Not applicable

#### Upper/lower flammability or explosive limits

**Flammability limit – lower (%):** Not determined.

**Flammability limit – upper (%):** Not determined.

**Explosive limit – lower (%):** Not determined.

**Explosive limit – upper (%):** Not determined.

**Vapor pressure:** Not determined.

**Vapor density:** Not determined.

**Relative density:** Not determined.

**Solubility (ies):** Not determined.

**Partition coefficient (n-octanol/water):** Not determined.

**Auto-ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Viscosity:** Not determined.

### SECTION 10: Stability and reactivity

**Reactivity:** Not expected to be chemically reactive.

**Chemical stability:** Stable under recommended storage and handling conditions.

**Possibility of hazardous reactions:** Hazardous reactions not anticipated.

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|                                          |                                                                        |
|------------------------------------------|------------------------------------------------------------------------|
| <b>Conditions to avoid:</b>              | Avoid prolonged storage at temperatures above 190°F.                   |
| <b>Incompatible materials:</b>           | Avoid contact with strong oxidizers and nitrites.                      |
| <b>Hazardous decomposition Products:</b> | None expected, however in case of fire, carbon oxides may be released. |

### SECTION 11: Toxicological information

#### Information on likely routes of exposure:

|                       |                                    |
|-----------------------|------------------------------------|
| <b>Inhalation:</b>    | Expected to be a route of exposure |
| <b>Ingestion:</b>     | Expected to be a route of exposure |
| <b>Skin:</b>          | Expected to be a route of exposure |
| <b>Eyes:</b>          | Expected to be a route of exposure |
| <b>Target Organs:</b> | Eyes                               |

#### Symptoms related to the physical, chemical, and toxicological characteristics:

Causes serious eye irritation.

#### Delayed and immediate effects and chronic effects from short or long-term exposure:

No additional information available.

#### Numerical measures of toxicity (such as acute toxicity estimates):

| Substance         | Test Type (species)               | Value      |
|-------------------|-----------------------------------|------------|
| Silicone Compound | LD <sub>50</sub> Oral (Rat)       | None known |
|                   | LD <sub>50</sub> Dermal (Rabbit)  | None known |
|                   | LC <sub>50</sub> Inhalation (Rat) | None known |
| Zinc Dust         | LD <sub>50</sub> Oral (Rat)       | 630 mg/kg  |
|                   | LD <sub>50</sub> Dermal (Rabbit)  | None known |
|                   | LC <sub>50</sub> Inhalation (Rat) | None known |

|                                                        |                                                |
|--------------------------------------------------------|------------------------------------------------|
| <b>Acute Toxicity:</b>                                 | Does not meet the criteria for classification. |
| <b>Skin corrosion/irritation:</b>                      | Does not meet the criteria for classification. |
| <b>Serious eye damage/eye irritation:</b>              | Causes serious eye irritation.                 |
| <b>Respiratory sensitization:</b>                      | Does not meet the criteria for classification. |
| <b>Skin sensitization:</b>                             | Does not meet the criteria for classification. |
| <b>Germ cell mutagenicity:</b>                         | Does not meet the criteria for classification. |
| <b>Carcinogenicity:</b>                                | Does not meet the criteria for classification. |
| <b>Reproductive toxicity:</b>                          | Does not meet the criteria for classification. |
| <b>Specific target organ toxicity-Single exposure:</b> | Does not meet the criteria for classification. |
| <b>Specific target organ toxicity-Repeat exposure:</b> | Does not meet the criteria for classification. |
| <b>Aspiration hazard:</b>                              | Does not meet the criteria for classification. |

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Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

| Component         | IARC       | NTP        | ACGIH      | OSHA       |
|-------------------|------------|------------|------------|------------|
| Silicone Compound | Not listed | Not listed | Not listed | Not listed |
| Zinc Dust         | Not listed | Not listed | Not listed | Not listed |

### SECTION 12: Ecological information

**Ecotoxicity (aquatic and terrestrial, where available):**

Toxic to aquatic life with long lasting effects

| Substance         | Test Type        | Species                                 | Value                  |
|-------------------|------------------|-----------------------------------------|------------------------|
| Silicone Compound | LC <sub>50</sub> | Fish                                    | None known             |
|                   | EC <sub>50</sub> | Aquatic Invertebrates                   | None known             |
|                   | EC <sub>50</sub> | Algae                                   | None known             |
| Zinc Dust         | LC <sub>50</sub> | Fish – Pimephales promelas              | 0.211 - 0.269 mg/L 96h |
|                   | EC <sub>50</sub> | Aquatic Invertebrates – Daphnia magna   | 0.139 - 0.908 mg/L 48h |
|                   | EC <sub>50</sub> | Algae - Pseudokirchneriella subcapitata | 0.09 - 0.125 mg/L 72h  |

**Persistence and Degradability:**

No data available

**Bioaccumulative Potential:**

No data available

**Mobility in Soil:**

No data available

**Other adverse effects (such as hazardous to the ozone layer):**

No data available

### SECTION 13: Disposal considerations

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.**

**Product**

Dispose of waste materials in accordance with applicable local and national laws and regulations. Where possible, recycling is preferred to disposal or incineration. Contact the proper local authorities.

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## Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is emptied. Dispose of as unused product.

## SECTION 14: Transport Information

### US Department of Transportation Classification (49CFR)

Not regulated under DOT.

### IMDG (Transport by sea)

Not regulated under IMDG.

### IATA (Country variations may apply)

Not regulated under IATA.

### Environmental hazards

Marine pollutant: No

### Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No further relevant information is available.

**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**

None known.

## SECTION 15: Regulatory Information

### USA:

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is classified as hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** - All components are listed on the TSCA inventory or are exempted.

### CERCLA RQ (lbs) Ingredients (> 0.1%):

Zinc dust - 454 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 1000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm).

### SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311, 312 and 313:

#### Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) (> 0.1%):

None of the components are listed.

#### Section 311/312 (40 CFR 370) (> 0.1%):

Serious eye damage or eye irritation

#### Section 313 Toxic Release Inventory (40 CFR 372) (> 0.1%):

Zinc dust - 1.0 % de minimis concentration (dust or fume only)

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## STATE REGULATIONS:

This SDS contains specific health and safety data that is applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** None of the components are listed.

**Massachusetts Right to Know:**

Zinc Dust is listed on the Massachusetts Right to Know list.

**New Jersey Right to Know:**

Zinc Dust is listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:**

Zinc Dust is listed on the Pennsylvania Right to Know list.

## SECTION 16: Other Information

**Revision Date:** June 5, 2023

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.