

SAFETY DATA SHEET

Date of issue: 09/01/2025

Section 1: Identification

Trade name: FASTENER INTERNATIONAL LLC
Product code: Various
Product category: Mechanical Fasteners
Manufacturer/Supplier: STR DEL BOSSOLO 100 MONCALIERI 1-800-477-TURN www.fastiner.com

Section 2: Hazard(s) Identification

General Information: Fastener products are deemed "Articles" and are exempt from Safety Data Sheet (SDS) requirements under the Hazard Communication Standard – 29 CFR 1910.1200(b)(6)(v) – see below. **ARTICLE:** For the purpose of hazard communication, fastener products are "Articles" as defined in 29 CFR 1910.1200(c): Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.

As "Articles," neither a Safety Data Sheet (SDS) nor a GHS-Compliant label is required for these products. This SDS is provided to our customers as a voluntarily-offered resource of limited information to promote safe handling and proper use of our products; and as a courtesy and service.

Classification(s): Under normal-use conditions, our mechanical fastener products are not expected to pose any health or safety hazards and does not meet the criteria for GHS Classification. However, unlikely conditions of welding, grinding, brazing, cutting, etc. may create dust and Particulate-Matter (PM) pollution that may cause health hazards. Improper use of mechanical anchors may result in safety hazards.

GHS Physical Hazard and Health Hazard Classifications: None applicable

Physical Hazards Not Otherwise Classified: None

Health Hazards Not Otherwise Classified: None

Symbol(s):



Signal Word(s): WARNING! (see Sections 11 and 15)

Hazard Statement(s): see Sections 11 and 15

Precautionary Statement(s): Prop 65 WARNING Label as specified in Section 15

Section 3: Composition/information on ingredients

This product is composed of various metals, and may have ferrous or non-ferrous plating

Section 4: First-Aid Measures

General Information: Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

Exposure Risk: Routes of Exposure

Irritant effects: Symptoms include itching, burning, redness, tearing, and blurred vision; discomfort in the chest, shortness of breath, coughing.

Eye Contact: If experiencing eye irritation due to dust, flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. Remove contact lenses if present and easy to do. If you experience redness, burning, blurred vision, or swelling, consult a physician.

Skin Contact: If experiencing skin irritation, wash affected area with soap and water. Do not apply greases or ointments. If rash or irritation occurs consult a physician.

Ingestion: Rinse mouth immediately. Do not induce vomiting. Consult a physician.

Inhalation: Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to have trouble breathing, consult a physician.

Section 5: Fire-Fighting Measures

Extinguishing Media: None Applicable

Fire and Explosion Hazards: In the form of a solid alloy, this product will not burn.

Firefighting Instructions: None Applicable

Section 6: Accidental Release

Methods and Materials: None Applicable

Personal Precautions: None Applicable

Environmental Precautions: None Applicable

Section 7: Handling and

Wear appropriate personal protective equipment. Avoid generating dust. If grinding or cutting, use work methods which minimize dust production. Avoid inhalation of dust. Ensure adequate ventilation. When using, do not eat, drink, or smoke. Wash hands thoroughly after handling.

Storage

Store in a closed container away from incompatible materials.

Section 8: Exposure Controls/Personal Protection

Protective Measure:	Wear appropriate personal protective equipment. Protective coatings are used on some mechanical anchors. Typically, this will be commercial zinc, zinc plating with chromate conversion coating, hot dipped galvanizing, ceramic plating, or mechanically galvanized plating. This information should be considered when evaluating employee personal protective equipment.
Eye Protection:	Wear goggles or safety glasses.
Hand Protection:	Gloves recommended.
Skin and Body Protection:	Wear long sleeve shirt/long pants and other clothing as required to minimize contact. In case of dust production, wear dust-proof clothing.
Respirator Protection:	Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.
General Hygiene:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Engineering Controls:	Use outdoors or ensure good ventilation when working indoors. Provide eyewash station and emergency shower.
Exposure Limits:	No exposure limits noted for ingredients.

Section 9: Physical and Chemical Properties

Physical State: Solid
Form: Solid
Color: Gray/Various Colors
Odor: None
Odor Threshold: N/A
pH: N/A
Flammability: N/A
Vapor Pressure: N/A
Solubility: N/A
Decomposition: N/A
Freezing/Melting Point: 2700°F (1500°C)

Boiling Point: N/A
Flash Point: N/A
Evaporation Rate: N/A
Specific Gravity: N/A
VOC: N/A
U/L Flammability: N/A
Vapor Density: N/A
Oil-Water Partition Coefficient: N/A
Viscosity: N/A

Section 10: Stability and Reactivity

Reactivity: Stable and non-reactive under normal conditions of use and storage.

Chemical Stability: Stable and non-reactive under normal conditions of use and storage.

Conditions to Avoid: None known.

Substances to Avoid: Strong oxidizers. Strong acids and bases.

Hazardous Reactions: Hazardous polymerization will not occur.

Decomposition Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, other organic compounds.
Thermal oxidative decomposition of galvanized steel products.

Section 11: Toxicological Information

LD50 Oral and LD50 Dermal and LC50: Not applicable to this form of product

Ingredients Toxicology Data: Carbon (C), Iron (Fe), Manganese (Mn), Phosphorus (P), Sulfur (S), Nickel (Ni), Silicon (Si), Chromium (Cr), and Zinc (Zn).

Primary Route(s) of Entry: None applicable.

Eye Hazards: None applicable.

Skin Hazards: None applicable.

Ingestion Hazards: None applicable.

Inhalation Hazards: None applicable.

Symptoms Related to Overexposure: None applicable.

Delayed Effects from Long Term Overexposure: None applicable.

Carcinogenicity: Stainless Steel and Yellow Zinc coatings - Nickel and Hexavalent Chromium are known to cause cancer (see *Section 15 for Regulatory Information*).

Germ Cell Mutagenicity: Zinc Coatings only - Hexavalent Chromium is known to cause reproductive harm (see *Section 15 for Regulatory Information*).

Reproductive Toxicity: Zinc Coatings only - Hexavalent Chromium is known to cause reproductive harm (see *Section 15 for Regulatory Information*).

Acute Toxicity Estimates: Not applicable

Interactive effects of components: Not applicable

Section 12: Ecological Information (non-mandatory)

No data available for Aquatic Toxicity to Fish, Invertebrates, Plants, or Microorganisms, Toxicity to Terrestrial Animals, Toxicity to Terrestrial Plants, Persistence and Biodegradability, Bioaccumulation Potential, or Mobility in Soil.

This product contains no ingredients known to deplete the ozone layer.

Section 13: Disposal Considerations

Waste Disposal of Substance: Do not allow material into sewers/water supplies.

Do not contaminate ponds, waterways or ditches.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Steel scrap should be recycled whenever possible.

Container Disposal: Empty containers or liners may retain some product residues; follow label warnings even after container is emptied. Empty containers should be disposed of in accordance with local/regional/national/international regulations.

Section 14: Transport Information

Not Applicable

Section 15: Regulatory Information

Federal Regulations: This product is an "Article" as defined by the OSHA Hazard Communication standard, 29 CFR 1910.1200 and is deemed exempt.

Canadian Regulatory Information: None applicable to the form of product.

Zinc coatings only: California Proposition 65 Information:



WARNING: These products can expose you to chemicals, including hexavalent chromium, which is known in the State of California to cause cancer and reproductive harm. For more information, go to <http://www.p65warnings.ca.gov>.

Stainless Steel only: California Proposition 65 Information:



WARNING: These products can expose you to chemicals, including nickel, which is known in the State of California to cause cancer and reproductive harm. For more information, go to <http://www.p65warnings.ca.gov>.

Section 16: Other Information

Hazardous Materials Information System (HMIS III) Ratings: Not applicable to the form of product.

Personal Protective Equipment: None required under anticipated conditions of use.

National Fire Protection Association (NFPA) Ratings: Not applicable to the form of product.

Publication Date: 1 September 2019 - Revision Date: Not applicable - Date of Prior SDS: Not applicable.

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