



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Power-Driven Fasteners and Accessories

Company: Simpson Strong-Tie Company Inc.
Address: 5956 W. Las Positas Blvd.
Pleasanton, CA 94588 USA

Emergency Telephone Number: 1-800-535-5035 USA/CANADA
(24h) 1-352-323-3500 International

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Supercedes: February 2011
For most current MSDS, please visit our website at www.simpsonanchors.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

None known.

POTENTIAL HEALTH EFFECTS

Eye Contact: Beware of airborne particles during installation.
Skin Contact: Sharp pointed tip may puncture or pierce skin.
Inhalation: Not considered an inhalation hazard.
Ingestion: Not considered to pose an ingestion hazard.
Systemic Effects: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Various Metals, Ferrous and Non-Ferrous Platings

4. FIRST AID MEASURES

Inhalation: For over-exposure to airborne fumes and particulate, remove exposed person to fresh air. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Seek medical attention promptly.

Eye Contact: Flush with large amounts of clean water to remove particles. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash affected areas with soap or mild detergent and water. If thermal burn has occurred, flush area with cold water and seek medical attention. If a persistent rash or irritation occurs, seek medical attention.

Ingestion: Not a probable route of industrial exposure. However, if ingested, seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Not Applicable.
Environmental Precautions: Not Applicable.
Clean-up Methods: Not Applicable.

7. HANDLING AND STORAGE

Handling Precautions: Operations with the potential for generating high concentrations of airborne particulates should be evaluated and controlled as necessary. Practice good housekeeping. Avoid breathing metal fumes and/or dust.

Storage Requirements: Store away from acids and incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use controls as appropriate to minimize exposure to metal fumes and dusts during handling operations.
Protective Measure:	Protective coatings are used on most metal fasteners. 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 and health risks during normal use.
Eye Protection:	Avoid contact with eyes. Safety glasses required.
Skin and Hand Protection:	Gloves recommended.
Ingestion:	Do not ingest or place any metal fasteners in mouth.
Respirator Protection:	Not required in well ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid
Appearance:	Various diameters and lengths
Odor:	None
Boiling Point:	Not applicable
Melting Point:	2600-2700°F
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Solubility In Water:	Insoluble

10. STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility:	Acid
Hazardous Decomposition Products:	Thermal oxidative decomposition of galvanized steel products can produce fumes containing oxides of zinc, iron and manganese as well as other elements.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral (LD₅₀, Rat):	Not established
Dermal (LD₅₀, Rabbit):	Not established
Inhalation (LC₅₀, Rat):	Not established

12. ECOLOGICAL INFORMATION

Ecotoxicity:	This product has not been evaluated.
Chemical Fate Information:	No data available.

13. DISPOSAL CONSIDERATIONS

Disposal:	This material is not a hazardous waste by RCRA criteria (40 CFR 261). Steel scrap should be recycled whenever possible.
Container Cleaning and Disposal:	Follow applicable Federal, state and local regulations. Observe safe handling precautions.

14. TRANSPORTATION INFORMATION

DOT/TDG:	Not Regulated For Transport.
IATA:	Not Regulated For Transport.
IMO:	Not Regulated For Transport.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

EPA Reportable Quantities:

Clean Water Act (40CFR Section 112): None required.

CERCLA Hazardous Substance (40CFR Part 302, Table 302.4): None required.

EPCRA Extreme Hazardous Substance (40CFR Section 302 Part 355): None required.

Toxic Chemical Release Inventory (TRI) Reporting - (SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level): Manganese and Zinc are subject to SARA 313 reporting requirements.

SARA Title III Hazard Classes (40CFR 370 Sections 311 and 312):

Fire Hazard: No
Reactive Hazard: No
Release of Pressure: No
Acute Health Hazard: Yes
Chronic Health Hazard: Yes

US STATE REGULATIONS:

California - "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65):

This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

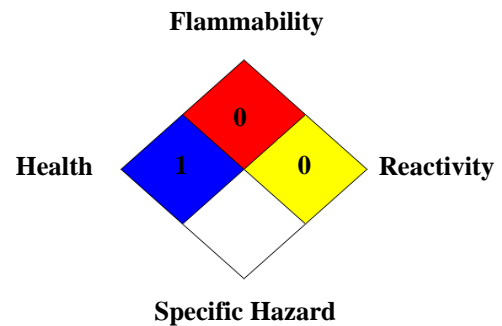
16. OTHER INFORMATION

HAZARD RATINGS:

Hazardous Material Information System (HMIS)

Health	1*
Flammability	0
Physical Hazard	0
Personal Protection	B

National Fire Protection Association (NFPA)



HMIS/NFPA Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment: (B) - Safety glasses, gloves

* Denotes possible chronic hazard if airborne dusts or fumes are generated.

This Material Safety Data Sheet (MSDS) is prepared by Simpson Strong-Tie Co. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this MSDS. This MSDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

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