

1. IDENTIFICATION

Product Identifier: Retrofit Bolt, Blue Banger Hanger®, Crimp Anchor, Drop-In Anchor, Easy-Set Expansion Anchor, Heli-Tie® Helical Wall Tie, Hollow Wall Anchor, IXP™ Anchor, Lag Screw Expansion Shield, Machine Screw Anchor, Nailon Pin Drive Anchor, Plastic Screw Anchor, Sleeve-All® Anchor, Split Drive Anchor, Spring Wing Toggle Bolt, Strong-Bolt™ Wedge Anchor, Strong-Bolt™ 2 Wedge Anchor, Sure Wall Drywall Anchor/Toggle, Titen® Screw, Titen HD® Anchor, Torq-Cut™ Anchor, Wedge-All® Anchor

Recommended Use: Mechanical Anchor

Use Restrictions: None known.

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For most current SDS, please visit our website at www.strongtie.com/sds

2. HAZARD IDENTIFICATION

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, this product is considered an article and does not require an SDS. Although these products are not subject to the OSHA Standard or GHS labeling elements, Simpson Strong-Tie would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. In its manufactured and shipped state this product is considered to present a low hazard. Under normal use conditions this product is not expected to create any health or safety hazards. However, individual customer processes (welding, sawing, grinding, brazing, abrasive blasting) could result in the formation of fumes, dust, and/or particulate matter that may present the following hazards.



Physical Hazards:	Not Classified.	
Health Hazards	Skin Corrosion/Irritation	Category 3
	Serious Eye Damage/Irritation	Category 2
	Sensitization, Skin	Category 1
	STOT, Single Exposure	Category 3 (Respiratory Tract Irritation)
	STOT, Repeated Exposure	Category 2 (Lung)
Environmental Hazards:	Not Classified.	

Signal Word: **WARNING!**

Hazard Statements: May cause mild skin irritation. May cause eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. May cause damage to organs (lung) through prolonged or repeated exposure (inhalation of dust).

Precautionary Statements:

Prevention: Observe good industrial hygiene practices. Wear protective gloves/clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing dust.

Response: If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove victim to fresh air and keep in a position comfortable for breathing. If you feel unwell: Get medical advice/attention.

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Storage: Store away from incompatible materials.

Hazards not otherwise Classified (HNOC): Dust and/or powders may form explosive dust/air mixtures. Avoid generating dust. Do not allow dust to build up on work surfaces.

3. COMPOSITION INFORMATION

Various metals, ferrous and non-ferrous platings.

4. FIRST-AID MEASURES

Eye Contact: Flush with large amounts of water to remove particles. If redness, burning, blurred vision, or swelling persists, **consult a physician.**

Skin Contact: Wash affected area with soap and water. If a thermal burn has occurred, flush area with cold water and **consult a physician.**

Ingestion: Not a probable route of industrial exposure, however if ingested immediately **consult a physician.**

Inhalation: For over-exposure to airborne dust or fumes, move patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, **consult a physician.**

Most Important Symptoms: Irritant effects.

General Information: Provide general supportive measures and treat symptomatically. 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.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: This material is not combustible and will not burn. Choose extinguishing media suitable for surrounding materials.

Additional Information: None known.

Hazards during Fire-Fighting: Dusts may present a fire or explosion hazard under rare favoring conditions of particle size, dispersion and strong ignition source. However, this is not expected to be a problem under normal handling conditions.

Fire-Fighting Procedures: Use standard fire-fighting procedures and consider the hazards of other involved materials. In case of fire and/or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment. Avoid inhalation of dusts.

Clean-up Methods: Solid articles do not represent a spill hazard. Avoid actions that cause dust to be generated. Collect dust generated during processing using a vacuum cleaner equipped with a HEPA filter. If not possible, gently moisten dust before collection with shovel, broom, or the like.

Environmental Precautions: Avoid release of dust to the environment. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

Handling: Large molded articles may be heavy and awkward to lift, use proper lifting and handling techniques. Wear appropriate personal protective equipment. If grinding or cutting use work methods which minimize dust production. Avoid inhalation of dust. Ensure adequate ventilation. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage: Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Measure: 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 to protect eyes from dust and other particles.

Hand Protection: Gloves recommended.

Skin and Body Protection: Wear long sleeve shirts/long pants and other clothing as required to minimize contact.

Respirator Protection: Not required in properly ventilated areas.

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: When using indoors good general ventilation should be used. Provide eyewash station.

Exposure Limits: No exposure limits noted for ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Freezing/Melting Point:	2600-2700°F (1426-1482°C)
Form:	Solid	Boiling Point:	N/A
Color:	Gray/Various Colors	Flash Point:	N/A
Odor:	None	Evaporation Rate:	N/A
Odor Threshold:	N/A	Specific Gravity:	N/A
pH:	N/A	VOC:	N/A
Flammability:	N/A	U/L Flammability:	N/A
Vapor Pressure:	N/A	Vapor Density:	N/A
Solubility:	N/A	Kow:	N/A
Decomposition:	N/A	Viscosity:	N/A

10. STABILITY AND REACTIVITY

Reactivity: Stable.

Chemical Stability: Stable.

Condition to Avoid: None known.

Substances to Avoid: Acids.

Hazardous Reactions: Hazardous polymerization will not occur.

Decomposition Products: Thermal oxidative decomposition of galvanized steel products can produce fumes containing oxides of zinc, iron, manganese, as well as other elements.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion: Not expected to be an ingestion hazard. Do not place anchors in mouth.

Inhalation: May cause respiratory tract irritation if dust is inhaled.

Skin contact: May cause mild skin irritation. Sharp edges of anchors may cause abrasions or cuts if not handled properly.

Eye contact: May cause eye irritation. Particles can cause corneal abrasion.

Information on toxicological effects

Acute toxicity: Not expected to be acutely toxic.

Skin corrosion/irritation: May cause mild skin irritation. Sharp edges of anchors may cause abrasions or cuts if not handled properly.

Eye damage/eye irritation: Particles can cause corneal abrasion.

Respiratory sensitization: Not applicable.

Skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No data available

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Carcinogenicity: This product is not a carcinogen. This product may contain small amounts of compounds which are listed carcinogens; these compounds are bound in the product and exposure to these compounds is highly unlikely during normal product use. Exposure to these compounds is possible only if the product is ground or cut, exposure to oxides of component metals is possible if product is welded or exposed to excessive heat. Ensure good work practice and use appropriate personal protective equipment as needed to control exposure.

Reproductive toxicity: No data available.

Aspiration hazard: Not applicable.

Specific target organ toxicity:

Single exposure Inhalation of dust may cause respiratory irritation.

Repeated exposure May cause damage to organs (lung) through prolonged or repeated exposure (inhalation of dust).

Further information: Toxicological, ecotoxicological, physical, and chemical properties may not have been fully investigated. Hazard data above is estimated based on best available information. Some workers with certain pre-existing medical conditions such as: asthma, allergies, or impaired pulmonary and/or liver functions, or who may be particularly susceptible to this material, may be affected by exposure to this material.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous.

Persistence and degradability: Not applicable.

Bioaccumulative potential: Not applicable.

Mobility in soil: Not applicable.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal of Substance: Dispose of contents/container in accordance with local/regional/national/international regulations. Steel scrap should be recycled whenever possible.

14. TRANSPORTATION INFORMATION

DOT: Not regulated as a hazardous material by DOT.

IATA: Not regulated as a dangerous good.

IMDG: Not regulated as a dangerous good.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Applicable

15. REGULATORY INFORMATION

US federal regulations This product is considered an article as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1000

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4) Not regulated.

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Manganese and Zinc are subject to SARA 313 reporting requirements.

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard	Yes
	Delayed Hazard	Yes
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	No

US. California Proposition 65

Components of this article are on the Prop 65 List of Chemicals known to cause Cancer or Reproductive Harm. The nature of this product makes exposure to these chemicals very unlikely. **WARNING:** This product contains a chemical known to the State of California to cause cancer, birth defects, or reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Date Prepared or Revised: June 2014
Supersedes: March 2012

This Safety Data Sheet (SDS) 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 SDS. This SDS 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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