

Safety Data Sheet

Section 1 – Identification

Product Identifier: Metal Fasteners (concrete anchors, powder actuated and gas fasteners) and Masonry Drill Bits

Manufacturer: Ramset
700 High Grove Boulevard
Glendale Heights, IL 60139

Information Telephone Number: 800-RAMSET6 or 630-825-7900

Information Email Address: techsupport@itwccna.com

Recommended Use: Fastening structural components to concrete and steel.

Restrictions on Use: See conditions of use for specific applications at: www.ramset.com/ram_appl_guide.asp. Cutting or grinding of products may compromise performance and create physical hazards.

Note to User: Products described herein are considered “articles” per Title 29 of the U.S. Code of Federal Regulations Part 1910.1200. A safety data sheet (SDS) is not required for the products as such or in downstream use. This SDS is provided as a convenience to the user and was prepared per the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) format as adopted by the U.S. Occupational Safety and Health Administration.

Section 2 – Hazard(s) Identification

GHS Classification: Non-hazardous

GHS Signal Word: Not applicable

GHS Hazard Statements: Not applicable

GHS Hazard Symbols: Not applicable

Section 3 – Composition/Information on Ingredients

Products consist of metal base materials with various finishes and molded plastic components. Metal finishes include chrome and zinc plating as well as dyes used to provide color identification for certain products. Additional information regarding the metal finish on a particular product is available via techsupport@itwccna.com. Products are comprised of solid materials and component substances are not released in appreciable amounts during normal use.

Hazardous Component	CAS-No.	Weight %
None	---	---

Section 4 – First-aid Measures

Description of Necessary Measures:	Information presented in this section relates to potential contact injuries from use of products with installation tools.
Eye Contact:	Flush eyes with water for at least 15 minutes, obtain immediate medical attention.
Skin Contact:	If skin is punctured, obtain immediate medical attention.
Inhalation:	Not a relevant exposure pathway.
Ingestion:	Not a relevant exposure pathway.
Most Important Symptoms/Effects:	Acute effects are tissue injuries from significant, direct contact with the eyes or skin. Delayed effects are not expected with appropriate medical attention to acute effects.
Indication of Immediate Medical Attention & Special Treatment, if any:	Obtain immediate medical attention for contact injuries.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media:	Water spray, foam, carbon dioxide or dry chemical.
Specific Hazards:	Thermal decomposition (combustion) may produce carbon monoxide, carbon dioxide, and complex hydrocarbons.
Special Protective Equipment & Precautions for Fire-fighters:	Self-contained breathing apparatus in confined spaces.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures:	Not applicable for these solid products.
Methods & Materials for Containment & Cleanup:	Not applicable for these solid products.

Section 7 – Handling and Storage

Precautions for Safe Handling:	No special handling procedures required.
Conditions for Safe Storage, including Incompatibilities:	Store in dry place to maintain product integrity.

Section 8 – Exposure Controls/Personal Protection

Exposure Limits:	Not applicable for these solid products.
Engineering Controls:	Ensure adequate air exchange when used with installation tools.
Individual Protection Measures:	Wear safety glasses when used with installation tools. Provide first-aid supplies for significant contact injuries.

Section 9 – Physical and Chemical Properties

Appearance:	Solid	Upper/Lower Explosive Limits:	Not applicable
Odor:	None	Vapor Pressure:	Not applicable
Odor Threshold:	Not applicable	Vapor Density:	Not applicable
pH:	Not applicable	Relative Density (H₂O=1):	7.6 to 7.8
Melting Point/Freezing Point:	> 2500°F (metal)	Solubility:	Negligible
Initial Boiling Point/Range:	Not applicable	Partition Coefficient (Oct/H₂O):	Negligible
Flash Point:	Not applicable	Auto-Ignition Temperature:	Not applicable
Evaporation Rate:	Not applicable	Decomposition Temperature:	approx. 300°F
Flammability:	Plastic will burn.	Viscosity:	Not applicable

Section 10 – Stability and Reactivity

Reactivity:	No significant reactivity
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	No significant possibility
Conditions to Avoid:	Extreme heat
Incompatible Materials:	Strong acids
Hazardous Decomposition Products:	Complex hydrocarbons at temperatures above 300 °F.

Section 11 – Toxicological Information

Toxicological Effects:	None expected from products as sold.
Likely Routes of Exposure:	Eye or skin contact when used with installation tools.
Symptoms Related to Physical, Chemical, and Toxicological Characteristics:	None expected from products as sold.
Delayed & Immediate Exposure Effects:	None expected from products as sold.
Chronic Exposure Effects:	None expected from products as sold.
Numerical Measures of Toxicity:	Not applicable
Carcinogenicity:	Not applicable

Section 12 – Ecological Information

Ecotoxicity:	None expected from these insoluble, solid products.
Persistence and degradability:	Products will persist with very limited degradability.
Bioaccumulative Potential:	Not applicable
Mobility in Soil:	Not applicable
Other Adverse Effects:	None identified

Section 13 – Disposal Considerations

Products are non-hazardous but unused products must be properly disposed of or recycled in accordance with all applicable federal, state, and local regulations.

Section 14 – Transport Information

Products are not regulated as a hazardous material or dangerous good in any mode of transportation.

UN Number:	Not applicable
UN Proper Shipping Name:	Not applicable
Transport Hazard Classes:	Not applicable
Packing Group:	Not applicable
Environmental Hazards:	Not applicable
Bulk Transportation Requirements:	Not applicable
Special Transportation Precautions:	Not applicable

Section 15 – Regulatory Information

There are no safety, health, and environmental regulations specific to these products.

Section 16 – Other Information

Hazardous Materials Identification System (HMIS) Ratings:

Health: 0
Flammability: 0
Physical Hazard: 0
Personal Protection: **See Note below.**

Hazard Ratings: Severe to Minimal (4 to 0)

Note: Personal Protection rating to be supplied by user depending on conditions of use. Wear safety glasses when using these products with installation tools.

Date Prepared: April 9, 2015
Prepared By: Ramset Product Safety Department

Disclaimer of Expressed and Implied Warranties

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