

## Safety Data Sheet

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### Section 1 – Identification

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| <b>Product Identifier:</b>           | Metal Fasteners (concrete anchors, powder actuated and gas fasteners) and Masonry Drill Bits   |
| <b>Manufacturer:</b>                 | Ramset<br>700 High Grove Boulevard<br>Glendale Heights, IL 60139   |
| <b>Information Telephone Number:</b> | 800-RAMSET6 or 630-825-7900  |
| <b>Information Email Address:</b>    | <a href="mailto:techsupport@itwccna.com">techsupport@itwccna.com</a>   |
| <b>Recommended Use:</b>              | Fastening structural components to concrete and steel.   |
| <b>Restrictions on Use:</b>          | See conditions of use for specific applications at: <a href="http://www.ramset.com/ram_appl_guide.asp">www.ramset.com/ram_appl_guide.asp</a> . Cutting or grinding of products may compromise performance and create physical hazards. |

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**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.

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### Section 2 – Hazard(s) Identification

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| <b>GHS Classification:</b>    | Non-hazardous  |
| <b>GHS Signal Word:</b>       | Not applicable |
| <b>GHS Hazard Statements:</b> | Not applicable |
| <b>GHS Hazard Symbols:</b>    | Not applicable |

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### Section 3 – Composition/Information on Ingredients

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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](mailto: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                | ---     | ---      |

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## Section 4 – First-aid Measures

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| <b>Description of Necessary Measures:</b>   | Information presented in this section relates to potential contact injuries from use of products with installation tools.   |
| <b>Eye Contact:</b>   | Flush eyes with water for at least 15 minutes, obtain immediate medical attention.  |
| <b>Skin Contact:</b>  | If skin is punctured, obtain immediate medical attention.   |
| <b>Inhalation:</b>  | Not a relevant exposure pathway.  |
| <b>Ingestion:</b>   | Not a relevant exposure pathway.  |
| <b>Most Important Symptoms/Effects:</b>   | 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. |
| <b>Indication of Immediate Medical Attention &amp; Special Treatment, if any:</b> | Obtain immediate medical attention for contact injuries.  |

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## Section 5 – Fire Fighting Measures

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

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## Section 6 – Accidental Release Measures

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| <b>Personal Precautions, Protective Equipment &amp; Emergency Procedures:</b> | Not applicable for these solid products. |
| <b>Methods &amp; Materials for Containment &amp; Cleanup:</b>                 | Not applicable for these solid products. |

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## Section 7 – Handling and Storage

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

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## Section 8 – Exposure Controls/Personal Protection

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

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## Section 9 – Physical and Chemical Properties

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|--------------------------------------|--------------------|--|----------------|
| <b>Appearance:</b>                   | Solid              | <b>Upper/Lower Explosive Limits:</b>               | Not applicable |
| <b>Odor:</b>                         | None               | <b>Vapor Pressure:</b>                             | Not applicable |
| <b>Odor Threshold:</b>               | Not applicable     | <b>Vapor Density:</b>                              | Not applicable |
| <b>pH:</b>                           | Not applicable     | <b>Relative Density (H<sub>2</sub>O=1):</b>        | 7.6 to 7.8     |
| <b>Melting Point/Freezing Point:</b> | > 2500°F (metal)   | <b>Solubility:</b>                                 | Negligible     |
| <b>Initial Boiling Point/Range:</b>  | Not applicable     | <b>Partition Coefficient (Oct/H<sub>2</sub>O):</b> | Negligible     |
| <b>Flash Point:</b>                  | Not applicable     | <b>Auto-Ignition Temperature:</b>                  | Not applicable |
| <b>Evaporation Rate:</b>             | Not applicable     | <b>Decomposition Temperature:</b>                  | approx. 300°F  |
| <b>Flammability:</b>                 | Plastic will burn. | <b>Viscosity:</b>                                  | Not applicable |

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## Section 10 – Stability and Reactivity

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

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## Section 11 – Toxicological Information

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

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## Section 12 – Ecological Information

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

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## Section 13 – Disposal Considerations

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

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## Section 14 – Transport Information

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

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

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## Section 15 – Regulatory Information

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

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## Section 16 – Other Information

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### **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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