

# SAFETY DATA SHEET

Revision: 13 November 2019

Version number: 1

## SECTION 1: Identification of the substance/mixture and company/undertaking

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| <b>1.1 Product identifier</b>                                                            | <b>Screw Grab RS 200-5291</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> | Removal of damaged or seized fasteners.<br>Uses advised against: not available.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              | <p><b>UK</b><br/>RS Components Ltd.,<br/>Birchington Road,<br/>Corby,<br/>Northants NN17 5JF.<br/>Telephone: +44 845 850 9900.<br/><a href="mailto:RCustomerServicesUK@rs-components.com">RCustomerServicesUK@rs-components.com</a></p> <p><b>Ireland</b><br/>RS Components Ltd.,<br/>Glenview Industrial Estate,<br/>Herberton Road,<br/>Rialto,<br/>Dublin. 12<br/>Telephone: +353 (0) 1 415 3100<br/><a href="mailto:enquiries.ie@rs-components.com">enquiries.ie@rs-components.com</a></p> |
| <b>1.4 Emergency telephone numbers</b>                                                   | +44 1865 407333 (24hr)<br>+44 1235 239670 (24hr)                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No. 1272/2008, and it is not mandatory to supply a safety data sheet, but this document contains information and advice concerning safe handling of the product.
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### 2.2 Label elements

Signal word	None.
Hazard statements	None.
Precautionary statements	None.
Supplemental information	None.

**2.3 Other hazards** Not identified.

# SAFETY DATA SHEET

Revision: 13 November 2019

Version number: 1

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures <sup>a</sup>

Declarable components	Conc. (wt%)	EC No.	CAS No.	REACH Reg. No.	Classification
None.					
<i>Other components</i>					
Silicon carbide	60–70	206-991-8	409-21-2	NA	Not classified
Water	25–35	231-791-2	7732-18-5	NA	Not classified

<sup>a</sup> NA: not available.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Inhalation	For breathing difficulty, respiratory irritation, or other symptoms, get medical attention.
Skin	If irritation occurs, remove contaminated clothing and rinse affected area water. Get medical attention if irritation persists. Wash contaminated clothing before re-use.
Eye	If irritation occurs, irrigate with room-temperature water or eyewash solution for several minutes, occasionally lifting eyelids. Get medical attention if irritation persists.
Ingestion	If swallowed, rinse mouth thoroughly and give water to drink. Get prompt medical attention for any adverse effects. Do not induce vomiting, unless instructed by medical personnel.

**4.2 Most important symptoms and effects, both acute and delayed** Not available.

**4.3 Indication of any immediate medical attention and special treatment needed** Treat symptoms as they occur.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable	Product is water-based and non-flammable. Use extinguishing media appropriate to cause of the fire, and the surroundings.
Unsuitable	None.

**5.2 Special hazards arising from the substance or mixture** None.

**5.3 Advice for firefighters** Remove containers from fire or cool them with water spray. For larger

# SAFETY DATA SHEET

Revision: 13 November 2019

Version number: 1

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fires, firefighters should wear breathing apparatus and protective clothing.

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## SECTION 6: Accidental release measures

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| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Product is a water-based paste and not classified as hazardous, and supplied in small plastic bottles. No special requirements for small spills. For large spills, wear personal protection. Follow prescribed procedures for responding to large spills in workplace.                                                                       |
| <b>6.2 Environmental precautions</b>                                           | For large spills, prevent product from entering water courses or drainage system.                                                                                                                                                                                                                                                            |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Clean up spill as soon as possible.<br>For small quantities, wipe off with damp cloth or paper, and wash affected area with water.<br>For large quantities, absorb with an inert material (eg sand, vermiculite). Wash contaminated surfaces with water.<br>Collect spill, contaminated materials, and washings in a container for disposal. |
| <b>6.4 Reference to other sections</b>                                         | For recommended personal protective equipment, see Section 8.<br>For disposal considerations, see Section 13.                                                                                                                                                                                                                                |
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## SECTION 7: Handling and storage

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| <b>7.1 Precautions for safe handling</b>                                | For professional use, avoid skin and eye contact with the product, using measures as described in Section 8. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Store at 5 °to 35 °C.                                                                                        |
| <b>7.3 Specific end use(s)</b>                                          | Not available.                                                                                               |
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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|------------------------------------|-----------------------------------------------------------------------------------------------------------|
| EU limit values                    | None.                                                                                                     |
| UK limit values                    | None.                                                                                                     |
| Monitoring procedure               | Not applicable.                                                                                           |
| Other: human health (DNELs, DMELs) | Silicon carbide: DNEL: workers, short-term exposure, systemic effects, inhalation, 94 mg/m <sup>3</sup> . |
| Other: environmental (PNEC)        | Not available.                                                                                            |

### 8.2 Exposure controls

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| Engineering controls | Engineering controls are not required for typical professional use. |
| Personal protective  | For professional use, we recommend chemical-resistant gloves (eg    |

# SAFETY DATA SHEET

Revision: 13 November 2019

Version number: 1

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equipment	nitrile rubber, PVC) and eye protection. The need for personal protective equipment should be based on a workplace risk assessment for the particular use. PPE should be to European (EN) standards. Consult manufacturers concerning breakthrough times.
Environmental exposure controls	Not available.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Grey paste
Odour	Bland
Odour threshold	Not available
pH	9.0 to 9.5
Melting/freezing point	Not available (0 °C for water)
Initial boiling point/range	Not available (100 °C for water)
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Flamm. or expl. limits	Not available
Vapour pressure	Not available (2310 Pa at 20 °C for water)
Vapour density	Not available
Relative density	1.2 to 1.4
Solubilities	In water: silicon carbide < 0.1 mg/L at 20 °C (pH 7)
Partition coeff. (log $K_{ow}$ )	Not available
Auto-ignition temp.	Not available
Decomposition temp.	Not available
Viscosity	Not available
Explosive properties	Not classified as explosive
Oxidising properties	Not classified as oxidising

### 9.2 Other information

Not available

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## SECTION 10: Stability and reactivity

10.1 Reactivity	Not available.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	Not available.

# SAFETY DATA SHEET

Revision: 13 November 2019

Version number: 1

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<b>10.4 Conditions to avoid</b>	Not available.
<b>10.5 Incompatible materials</b>	Not available.
<b>10.6 Hazardous decomposition products</b>	Not available.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met for the oral, dermal or inhalation routes. Silicon carbide: LD <sub>50</sub> (oral; rat), >2000 mg/kg; LD <sub>50</sub> (skin; rat), >2000 mg/kg; particles do not cause lung fibrosis, and behaves as inert dust.
Skin corrosion/irritation	Based on available data, the classification criteria are not met. Silicon carbide: not irritating (rat test).
Serious eye damage/irritation	Based on available data, the classification criteria are not met. Silicon carbide: powder may cause mechanical irritation of the surface of the eye.
Respiratory or skin sensitisation	Respiratory sensitisation: no expectation of respiratory sensitisation potential. Skin sensitisation: no ingredient has been classified for sensitising effects.
Germ cell mutagenicity	Based on available data, the classification criteria are not met. No ingredient has been classified for mutagenic effects.
Carcinogenicity	Based on available data, the classification criteria are not met. No ingredient has been classified for carcinogenic effects.
Reproductive toxicity	Based on available data, the classification criteria are not met. No ingredient has been classified for reproductive effects.
STOT-single exposure	Based on available data, the classification criteria are not met. No ingredient has been classified for STOT effects.
STOT-repeated exposure	Based on available data, the classification criteria are not met. No ingredient has been classified for STOT effects.
Aspiration hazard	Based on available data, the classification criteria are not met.

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## SECTION 12: Ecological information

<b>12.1 Toxicity</b>	The product is not expected to meet the criteria for classification. Silicon carbide: no toxicity expected, as insoluble in water, and no potential to cross biological membranes.
<b>12.2 Persistence and degradability</b>	Not applicable. Product is inorganic powder suspended in water.
<b>12.3 Bioaccumulative potential</b>	Not bioaccumulative.

# SAFETY DATA SHEET

Revision: 13 November 2019

Version number: 1

---

<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and vPvB assessment</b>	Not PBT or vPvB.
<b>12.6 Other adverse effects</b>	Not available.

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## SECTION 13: Disposal considerations

<b>13.1 Waste treatment methods</b>	Product is inorganic powder suspended in water. Small quantities may be diluted and disposed of via the drains. Landfill may be appropriate for large quantities. Incineration is not recommended.  Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste. General EU requirements are given in Directive 2008/98/EC.
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## SECTION 14: Transport information

<b>14.1 UN Number</b>	Not classified as dangerous goods for transport.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	Not classified as marine pollutant/environmentally hazardous.
<b>14.6 Special precautions for user</b>	Not available.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

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## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<i>UK:</i> Control of Substances Hazardous to Health Regulations 2002 (COSHH), as amended). Workplace Exposure Limits EH40/2005 (Third edition, 2018); Health and Safety Executive.
<b>15.2 Chemical safety assessment</b>	Not available.

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## SECTION 16: Other information

Revisions	This SDS is the first version in EU CLP format.
Abbreviations	DNEL, derived no-effect level; DMEL, derived minimum effect level; LD, lethal dose; PBT, persistent, bioaccumulative, and toxic; PNEC, predicted no-effect concentration; STOT RE, specific target organ

# SAFETY DATA SHEET

Revision: 13 November 2019

Version number: 1

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	toxicity repeated exposure; STOT SE, specific target organ toxicity single exposure; vPvB, very persistent, very bioaccumulative.
References	Search for chemicals; available at the European Chemicals Agency website: <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> .
Basis of classification	The mixture is self-classified from available information on the ingredients.
List of hazard statements	None.