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| Evolution Fasteners (U.K.) Ltd Technical Department Unit 2 Clyde Gateway Trade Park, Dalmarnock Road, Rutherglen, Glasgow, South Lanarkshire, G73 1AE, United Kingdom. | Material Data Sheet: Electroplated Zinc (Bright or Yellow), Black Phosphate and Organic Coated Screws 3rd Revision (12th February 2018) |
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Material Data Sheet:

1.0 – Identification of the substance/ preparation and of the company/ undertaking

1.1 – Substance/ Preparation

| Identification of the Substance/ Preparation | | | | | | | |
|--|---|------|--------------|------|---------------------------|-----------------------------|----------------|
| Evolution Range Code | Compliance Requirements (n/a if not required) | | | | Materials | | Description |
| | REACH | RoHS | CE Mark | EUTR | Parent | Coating | |
| EVDBZ | n/a | n/a | n/a | n/a | Carbon Steel | Zinc | Ceiling anchor |
| AMN | | | | | Zamak | n/a | Nail-in anchor |
| MN | | | | | Zinc | Nail-in anchor | |
| WH | | | | | | Wire hangar anchor | |
| EAB | | | | | | Anchor bolt | |
| EADI | | | | | | Drop-in anchor | |
| EATB | | | | | | Through bolt | |
| EADIST | | | | | n/a | Drop in anchor setting tool | |
| WHL | | | | | Organic | Cement board screw | |
| WHP | | | | | | Cement board screw | |
| WHX | | | | | | Cement board screw | |
| CB | | | | | Zinc | Ceiling bracket | |
| EGL | | | | | | Pressed steel bracket | |
| EV | | | | | | Clip | |
| EVAB | | | | | | Acoustic bracket | |
| VFC | | | | | | Vertical flange clip | |
| CDWCP | | | Carbon Steel | | Phosphate | Drywall Screw | |
| CDWFDZ | | | | | Zinc | Drywall Screw | |
| CDWFP | | | | | Phosphate | Drywall Screw | |
| CDWFZ | | | | | Zinc | Drywall Screw | |
| CDWFCP | | | | | Phosphate | Drywall Screw | |
| CTTS | | | | | Zinc | Drywall Screw | |
| CWZ | | | | | | Drywall Screw | |
| CFSCYS | | | | | | Flooring Screw | |
| P-SFC | | | | | | Flooring Screw | |
| SFC | | | | | | Flooring Screw | |
| STCS | | | n/a | | Concrete Screw | | |
| WS | | | Zinc | | Wood screw | | |
| WST | | | | | Wood screw | | |
| DWRT | | | Yes | | Reverse threaded screw | | |
| DWCR | | | | | Self countersinking screw | | |
| DWSCP | | | Phosphate | | Drywall Screw | | |

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|----------|--------------|---------|---------------|---------------|-----------------|-----------|------------------|
| DWSC | | | | | | Zinc | Drywall Screw |
| DWSP | | | | | | Phosphate | Drywall Screw |
| DWSZ | | | | | | Zinc | Drywall Screw |
| F | | | | | | Phosphate | Drywall Screw |
| DWSDZ | n/a | n/a | Yes | n/a | Carbon Steel | Zinc | Drywall Screw |
| PHSDZ | | | | | | | Drywall Screw |
| WHDZ | | | | | | | Drywall Screw |
| WHSDZ | | | | | | | Drywall Screw |
| SSDW | | | n/a | | Stainless Steel | n/a | Drywall Screw |
| BMDW | | | | | | Zinc | Drywall Screw |
| ETKR | | | Yes | | Carbon Steel | Organic | Insulation Screw |
| TSBW | | | n/a | | | | TEK Screw |
| TSHW | | | | | | | TEK Screw |
| TSBWHT | | | | | | | TEK Screw |
| TSFHR | | | | | | | TEK Screw |
| TSNS | | | | | | | TEK Screw |
| TSHV | | | | | | | TEK Screw |
| TSLP | | | | | | | TEK Screw |
| TSPH | | | | | | | TEK Screw |
| TSTF | | | Yes | | | | TEK Screw |
| BMHH | | | n/a | | Stainless Steel | Zinc | TEK Screw |
| BMBW | | | | | | | TEK Screw |
| BMTSBWHT | | | | | | | TEK Screw |
| BMWD | | | | | | | TEK Screw |
| SSWD | TEK Screw | | | | | | |
| MSCSK | Carbon Steel | Organic | | Masonry Screw | | | |
| MSHH | | | Masonry Screw | | | | |

1.2 – Company/ Supplier

| Company/ Supplier | |
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| Headquarters and Administration/ Accounts | Sales, Marketing and Technical |
| Evolution Fasteners (U.K.) Ltd Elstree House, Elstree Way, Borehamwood, Hertfordshire, WD6 1SD +44 (0) 208 905 2759 | Evolution Fasteners (U.K.) Ltd Unit 2 Clyde Gateway Trade Park, Dalmarnock Road, Rutherglen, Glasgow, South Lanarkshire, G73 1AE. +44 (0) 141 647 7100 |
| Contact Person: | ryan@evolutionfasteners.co.uk |

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2.0 – Hazards Identification

There is a risk of cuts and abrasions from sharp edges and protrusions. The use of screws may lead to dust or swarf generation, and adequate inhalation protection should be provided. Refer to your plasterboard manufacturers' Safety Data Sheet for appropriate guidance.

3.0 – Composition/ Information on Ingredients

| Composition/ Information on Ingredients | | |
|--|---|---|
| Coating Type | Ingredients | Note(s) |
| Zinc | Zinc with or without di-chromate passivation | Some parts may be supplied with a nylon collation strip |
| Phosphate | Phosphates of Iron, Zinc and Manganese | |
| Organic | Aluminium and Zinc flake bound in baked epoxy resin | |

4.0 – First Aid Measures

Inhalation: Remove person from work area to fresh air.

Skin contact: No adverse effects.

Eye contact: Irrigate with plenty of water and obtain medical advice.

Ingestion: Wash out mouth and give the patient plenty of water.

Please note that should any symptoms persist – obtain medical assistance.

5.0 – Fire Fighting Measures

Screws are non-flammable.

6.0 – Accidental Release Measures

Control and collect any waste screws, sweep up and shovel into bags.

7.0 – Handling and Storage

When using hand tools – eye protection should be worn.

Screw points and threads may be sharp – glove should be worn when handling the material to avoid the risk of lacerations.

Head protection should be worn when overhead hazards exist.

Supplied in boxes/ cartons, which should be stacked in a safe and stable manner to avoid spillage.

Open boxes by the lid to minimise potential waste.

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Note that if handling manually, consider risks as required by Manual Handling Operations Regulations 1992.

8.0 – Exposure Controls/ Personal Protection

| Exposure Controls/ Personal Protection (Occupational Exposure Limits) | | |
|--|------------------------|-------------------------|
| Substance | Total inhalable | Total respirable |
| Iron Oxide | 5mg/m ³ | 10mg/m ³ |
| Zinc Oxide | 5mg/m ³ | 10mg/m ³ |
| Chromium Information | OEL | MEL |
| Cr II and Cr III (as Cr) | 0.5 mg/m ³ | |
| Cr VI (as Cr) | | 0.05 mg/m ³ |

Personal Protection:

Respiratory Ventilate the area of storage or work if fume or dust is produced. Wear approved respiratory equipment when welding, flame cutting or grinding.

Skin: Wear protective gloves, overalls and footwear, when handling screws.

Eye: Wear safety goggles to BS EN 166 2A 5 to protect eyes when using screws.

9.0 – Physical and Chemical Properties

Non-combustible.

10.0 – Stability and Reactivity

Stable under normal conditions but when subjected to elevated temperatures fumes are produced.

11.0 – Toxicological Information

Mechanical working such as dry grinding and machining, will product dust of the same composition as the coating and base metal.

If subjected to elevated temperatures e.g. during welding or flame cutting, fumes are produced containing oxides of zinc and iron and also breakdown products of any protective coating if present.

The potential effects on health include metal fume fever, a short lasting, self limiting condition with symptoms similar to influenza.

The principal mode of entry into the body is by inhalation and if airborne concentrations are excessive over long periods of time they may have a long term effect on the health of the worker, primarily affecting the lungs.

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12.0 – Ecological Information

No known harmful effects.

13.0 – Disposal Considerations

Recycle or can be disposed of at an authorised landfill site in accordance with local or national controls.

14.0 – Transport Information

Not classified as hazardous for transport.

15.0 – Regulatory Information

None.

16.0 – Other Information

This product should be used as directed by Evolution. For further information consult the technical department.

An on-site risk assessment should be carried out before use.

This safety data sheet:

1. Supersedes all previous issues, and users are cautioned to ensure it is current. Destroy all previous data sheets, and if in any doubt, contact Evolution,
2. Does not replace the users own workplace risk assessment,
3. Was compiled using the current safety information supplied by the distributors of the component materials,
4. Is based on the present state of our knowledge and is intended to describe our products from the point of view of health and safety requirement. It should not be construed as guaranteeing specific properties.