

**Technical Data Sheet**[swiftsupplies.com.au](http://swiftsupplies.com.au)

Weicon Anti Seize Compound High Tech is a premium quality assembly paste that is based on the latest innovations in this area. This German manufactured grade is completely metal-free and exhibits outstanding lubrication, protection and separating characteristics.

Anti Seize High Tech is NSF approved for use in food and potable water applications and can be used with all kinds of metal and plastic connections. It withstands long term exposure to temperatures up to 1,400°C and effectively protects treated parts from corrosion and seizing. It also has excellent pressure resistance, good sealing properties, prevents fretting corrosion and cold welding and eliminates squeaks on disc brakes.

[View This Product](#)

Anti-Seize High Tech is white in colour and is a NLGI Class 1 Material.

**Applications**

- Lubricating bolts, screws and threaded connections
- Lubricating and protecting all kinds of metal parts including stainless steel, brass, bronze, copper, mild steel and more
- Wherever nickel based anti seize compounds must not be used for health reasons
- Wherever dark metal based anti seize should not be used for optical reasons
- Where metal containing pastes may cause electrolytic reactions
- Wherever a dielectric anti seize compound is required
- Lubrication and protection of closely fitted metal parts in the food, pharmaceutical and water sectors
- Lubricating all kinds of metal parts, protecting them from corrosion and preventing seizing or cold welding

**Features and Benefits**

- Outstanding sliding properties
- Economical to use (1kg covers approx. 40-50m<sup>2</sup>)
- Resists temperatures up to 1,400°C
- Good sealing properties
- Withstands salt water and most chemicals
- Allows easy assembly and disassembly
- Metal free formulate (<0.1%)
- Free of toxic heavy metals
- Prevents fretting corrosion
- Prevents cold welding
- Outstanding pressure resistance (230 N/mm<sup>2</sup>)
- Eliminates squeaks on disc brakes
- NLGI Class 1 Lubricant

**Important**

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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**Technical Details**
**Properties**

| Basic Oil   | Medicinal Oil               |
|---|-----------------------------|
| Colour  | White                       |
| OFW Device Coefficient Of Friction                      | 0.1 to 0.13                 |
| Coefficient of Friction Total                           | 0.13 $\mu$                  |
| Coefficient of Friction Thread                          | 0.11 $\mu$                  |
| Coefficient of Friction Upside Down                     | 0.14 $\mu$                  |
| VKA-Test (DIN 51350) Goods Load                         | 3,600 N                     |
| VKA-Test (DIN 51350) Welding Load                       | 3,800 N                     |
| VKA-Test (DIN 51350) Spherical Cap Value (1 Min / 1000) | 0.7mm                       |
| Worked Penetration (DIN ISO 2137)                       | 310 to 340 1/10mm           |
| Sulphur Content (DIN 51400)                             | <0.1%                       |
| Water Resistance (DIN 51807)                            | 1-90                        |
| Temperature Resistance                                  | -40°C to +1,400°C           |
| Pressure Load   | 230 N/mm <sup>2</sup>       |
| Density at 20°C (DIN 50017)                             | 1.42 g/cm <sup>3</sup>      |
| Salt Spray Test (DIN 50017)                             | >170 Hours                  |
| Thermal Conductivity                                    | 0.7 W/m ·K                  |
| Dielectric Strength                                     | 0.4 kV/mm                   |
| Specific Resistance                                     | 1 x 10 <sup>15</sup> Ohm/cm |

**Anti Seize High Tech Compatibility with Common Sealing Materials**

|  |    |   |    |
|--|----|---|----|
| ABS – ABS Copolymeride                 | ++ | PE – Polyethylene                                 | ++ |
| ACM – Acrylate Rubber                  | ++ | PET – Polyethyleneterephthalate                   | ++ |
| CA – Cellulose Acetate                 | ++ | POM – Polyoxymethylene                            | ++ |
| CR – Chloroprene Rubber                | +  | PP – Polypropylene                                | ++ |
| CSM – Chlorosulfonated PE Rubber       | ++ | PPO – Polyphenylene Oxide                         | ++ |
| EPDM – Ethylene Propylene Diene Rubber | -- | PS – Polystyrene                                  | +  |
| EPS – Expanded Polystyrene             | ++ | PTFE – Polytetrafluoroethylene                    | ++ |
| FKM – Fluorocarbon                     | ++ | PUR – Polyurethane                                | +  |
| LDPE – Low Density Polyethylene        | +  | PVC – Polyvinylchloride                           | ++ |
| NBR – Nitrile Butadiene Rubber         | ++ | SBR – Styrene Butadiene Rubber                    | -- |
| NR – Natural Rubber                    | -- | SQM/MVQ – Silicone Rubber                         | ++ |
| PA – Polyamide                         | ++ | UHMWPE – Ultra High Molecular Weight Polyethylene | ++ |
| PC – Polycarbonate                     | -- |   |    |

++ Resistant

+ Resistant to a limited extent

-- Not Resistant

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## Preparation of the Surface

If the surfaces that Anti-Seize will be applied to are particularly soiled or dirty you should first clean and degrease them. Used threads should be cleaned with a high powered cleaning agent (such as Weicon Cleaner S) and a wire brush.

## Application

Apply the paste evenly using a brush, cloth or plastic sponge. On threads it is important that Anti Seize Paste is applied down to the thread root to ensure a good sealing effect.

Please note that this product is suitable only for assembly paste specific applications. It does not replace pure lubricants and greases. Mixing it with other lubricants will change the properties of Anti-Seize.

## Storage

Anti Seize High Tech should be kept in their closed, original container. Do not store together with oxidising agents. Keep container tightly closed and store in a cool, well aired place.

## Available Sizes

Weicon Anti Seize High Tech is available from Swift Supplies in the following standard sizes:

- 30gm Pen
- 120gm Brush Top Container
- 400gm Cartridge
- 450gm Container
- 500gm Brush Top Container
- 1kg Container

Other sizes may also be available. If your application requires something else please do get in touch and we'll try and help out wherever we can.

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