

# ANTI-SEIZE & ASSEMBLY



Performance you can trust



ROCOL ANTI-SEIZE products are specifically formulated to reduce downtime and the costs of assembly.

## ANTI-SEIZE 797



High temperature anti-seize paste specially formulated for nimonic and stainless steel.



500g 16403

0.086 -40°C to +1000°C

## ROCOL Approvals & Applications

- ▶ **Nuclear Grade:** High Purity
- ▶ Constituents
- ▶ Rolls Royce MSRR 9380
- ▶ Rolls Royce OMAT 4/56
- ▶ DTD 900/6128 ASF 1925

## Features & Benefits

- ▶ Excellent anti-seize properties over extended periods at high temperatures
- ▶ Provides even torque loads and prevents galling and pick-up on assembly
- ▶ Protects against wet conditions and chemical attack even in the most aggressive environments
- ▶ Contains extremely low levels of chlorine and sulphur
- ▶ Lubricates, protects and eases dismantling

## ANTI-SEIZE Compound



Copper based multi-purpose anti-seize with excellent corrosion protection.



85g 14030

500g 14033

6kg 14035

18kg 14038

0.15 -50°C to +1100°C

## ROCOL Approvals & Applications

- ▶ **Naval Cat No:** 0475-541-8659 (6kg)
- ▶ **RAF Ref No:** 34D/301-6210 (85kg)  
34D/224-6794 (500g)
- ▶ **NATO Stock No:** 8030-99-301-6210 (85g)  
8030-99-224-6794 (500g)  
8030-99-541-8659 (6kg)

## Features & Benefits

- ▶ Non soap thickener producing non melting anti-seize compound
- ▶ Prevents pick-up and seizure of static threaded fasteners
- ▶ Lubricates, protects and eases dismantling
- ▶ Effective even in the most aggressive environments and is completely insoluble in water

## ANTI-SEIZE Regular Grade



Copper based multi-purpose anti-seize for applications found throughout industry.



250g 14026

500g 14027

-180°C to +1100°C

## ROCOL Approvals & Applications

- ▶ Customers include:
- ▶ Siemens
- ▶ Daimler Benz
- ▶ BMW
- ▶ Volkswagen
- ▶ Bosch

## Features & Benefits

- ▶ Based on graphite, copper and aluminium to avoid seizing in mechanisms and threaded connections
- ▶ Resists vibrations, high pressure, high temperature and aggressive environments
- ▶ Protects against fretting, easing dismantling
- ▶ Acts as a sealant, preventing fluid and gas contamination

## ANTI-SEIZE Spray



Copper based anti-seize spray with superb corrosion protection.



400ml 14015

0.15 -10°C to +1100°C

## ROCOL Approvals & Applications

- ▶ Ideal for hinges, latches and other mechanisms on furnaces, ovens and other similar equipment
- ▶ It is also ideally suited for high temperature applications such as exhaust systems etc
- ▶ Can be used for extreme conditions found in applications such as docks and oil rigs

## Features & Benefits

- ▶ Non soap thickener producing non-melting anti-seize compound
- ▶ Prevents pick-up and seizure of static threaded fasteners
- ▶ Lubricates, protects and eases dismantling
- ▶ Effective even in the most aggressive environments and is completely insoluble in water

## ANTI-SEIZE Stainless



**Water and chemically resistant grease specifically designed for the protection of stainless steel and nimonic fasteners.**



500g

14143



0.085



-40°C to +1000°C

## ROCOL Approvals & Applications

- ▶ Rolls Royce MSRR 4008
- ▶ Rolls Royce OMAT 4/62
- ▶ Rolls Royce OMAT 10123 (spec for V2500)
- ▶ Rolls Royce COMAT 10-110
- ▶ **Naval Cat No:** 0475-179-9539
- ▶ **NATO Stock No:** 8030-99-179-9539
- ▶ BAe Systems approved for high

## Features & Benefits

- ▶ Excellent anti-seize properties over extended periods at high temperatures
- ▶ Provides even torque loads and prevents galling and pick-up on assembly
- ▶ Protects against wet conditions and chemical attack even in the most aggressive environments
- ▶ Contains extremely low levels of chlorine
- ▶ Lubricates, protects and eases dismantling
- ▶ Suitable for use with aluminium and its alloys

## DRY MOLY Fluid



**Extreme load, dry film, molybdenum disulphide paste for use where wet films cannot be tolerated.**



5L

10205



7,000 kg/cm<sup>2</sup>



-50°C to +450°C

## ROCOL Approvals & Applications

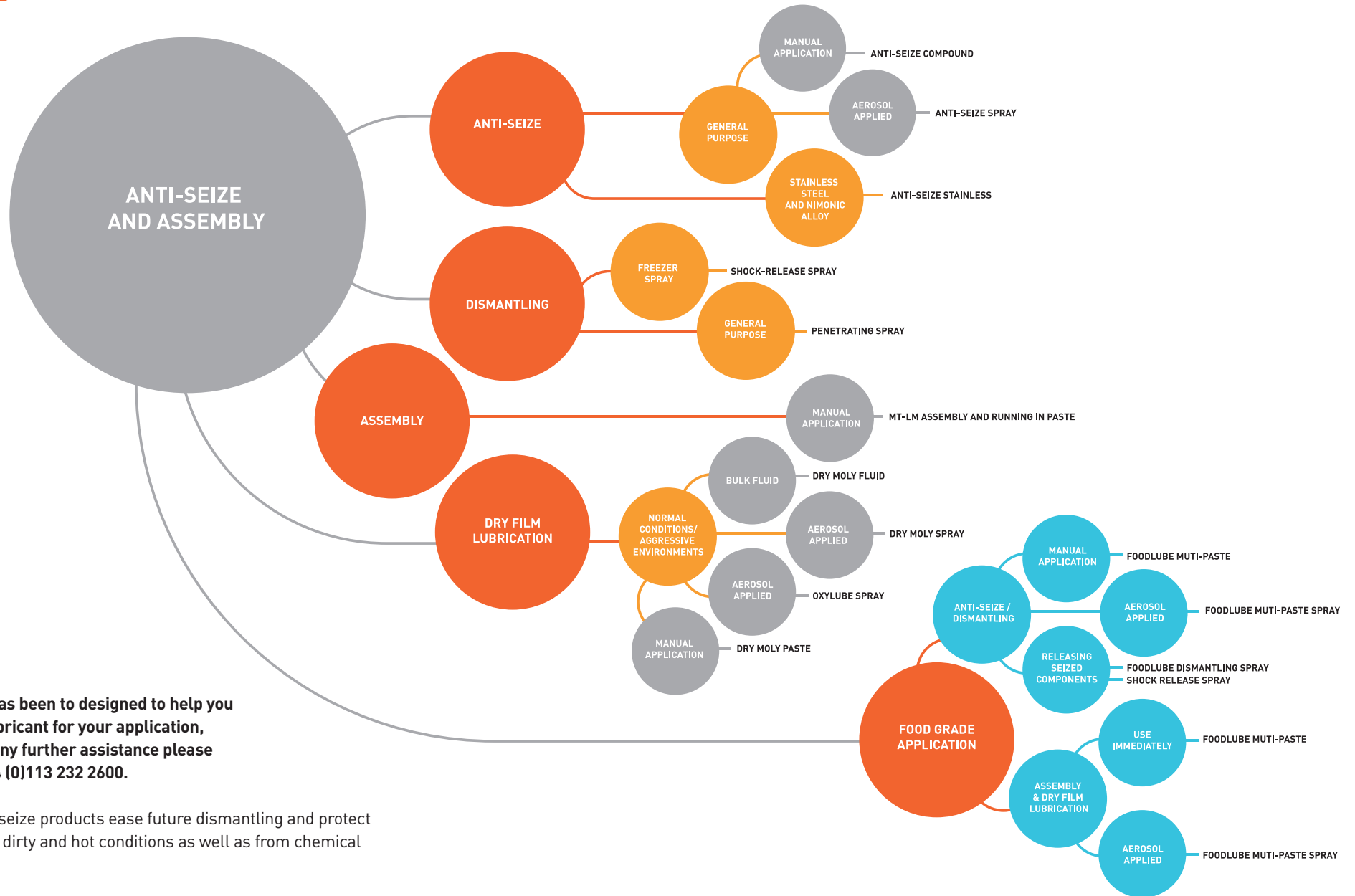
- ▶ Ideal for use as an assembly lubricant for sliding mechanisms, plain bearings and other applications where a totally dry film lubricant is required.

## Features & Benefits

- ▶ Dry film lubrication – resists pick-up of contaminants
- ▶ Prevents galling, pick up and seizure
- ▶ Excellent wear resistance (high molybdenum disulphide content)



SELECTION CHART



This selection chart has been designed to help you choose the correct lubricant for your application, however if you need any further assistance please contact ROCOL on +44 (0)113 232 2600.

Premium quality anti-seize products ease future dismantling and protect fasteners against wet, dirty and hot conditions as well as from chemical attack.

ROCOL assembly products provide either a totally or almost dry thin MoS<sub>2</sub> (moly) film of exceptionally high load carrying strength for application in areas where conventional lubricants fail or are inappropriate.

## DRY MOLY Paste



**Dry film coating of molybdenum disulphide in paste form.**



100g 10040  
750g 10046

7,000 kg/cm<sup>2</sup> -50°C to +450°C

### ROCOL Approvals & Applications

- ▶ Rolls Royce Specification R-R OMAT 4/53
- ▶ Ideal assembly lubricant for disc spring assemblies, sliding mechanisms, plain bearings and other applications where a totally dry film lubricant is required

### Features & Benefits

- ▶ Can be used where wet films cannot be tolerated due to its dry film lubrication that resists pick up of contaminants
- ▶ Prevents galling, pick-up and seizure
- ▶ Excellent wear resistance due to its high molybdenum disulphide content

## DRY MOLY Spray



**Extreme load, dry film, molybdenum disulphide paste where wet films cannot be tolerated**



400ml 10025

7,000 kg/cm<sup>2</sup> -50°C to +450°C

### ROCOL Approvals & Applications

- ▶ Rolls Royce Specification - R-R OMAT 4/52
- ▶ Primarily designed as an assembly lubricant for sliding mechanisms, plain bearings and other applications where a totally dry film lubricant is required

### Features & Benefits

- ▶ Excellent anti-seize properties over extended periods at high temperatures
- ▶ Provides even torque loads and prevents galling and pick-up on assembly
- ▶ Protects against wet conditions and chemical attack even in the most aggressive environments
- ▶ Contains extremely low levels of chlorine
- ▶ Lubricates, protects and eases dismantling
- ▶ Suitable for use with aluminium and its alloys

## FOODLUBE® Dismantling Spray



**Highly penetrating food grade release spray.**



300ml 15720

-20°C to +110°C 

### ROCOL Approvals & Applications

- ▶ Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- ▶ **Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- ▶ **NSF registered:** NSF H1 registered - 121617 ISO 21469 Certified

### Features & Benefits

- ▶ Highly efficient penetration
- ▶ Short term corrosion protection for released parts
- ▶ DETEX™ - x-ray and metal detectable plastic components (aerosol caps and actuators) capable of detection by most x-ray and metal detection equipment



## FOODLUBE® Multi-Paste Spray



Food grade, multi-purpose anti-seize and lubricating spray.



400ml 15751



0.09



-30°C to +450°C

### ROCOL Approvals & Applications

- ▶ Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- ▶ **Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- ▶ **NSF registered:** NSF H1 registered – 121613 ISO 21469 Certified

### Features & Benefits

- ▶ Ideally suited for use on stainless steel
- ▶ Long life, up to six times more than the competition
- ▶ Exceptionally clean compared to copper based anti-seize
- ▶ For high temperature applications
- ▶ Prevents galling & pick-up on assembly
- ▶ Extremely tenacious – resists water wash out
- ▶ DETEX™ – x-ray and metal detectable plastic components (aerosol caps and actuators) capable of detection by most x-ray and metal detection equipment

## FOODLUBE® Multi-Paste



Food grade, multi-purpose anti-seize & lubricating paste.



85g 15750

400g 15851

500g 15753

5kg 15756



0.09



-30°C to +450°C

### ROCOL Approvals & Applications

- ▶ Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- ▶ **Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- ▶ **NSF registered:** NSF H1 registered – 121614 ISO 21469 Certified

### Features & Benefits

- ▶ Prevents pick-up and seizure of fasteners
- ▶ Economical in use
- ▶ Extremely tenacious - resists water wash
- ▶ Ideal for bushes, slides and small open gears operating in food and other clean environments
- ▶ Suitable for use with aluminium and its alloys

## MTLM Assembly & Running-In Paste



Assembly & running-in paste for precision & interference fit parts



100g 10050

750g 10056

18kg 10057



7,000 kg/cm<sup>2</sup>



-50°C to +450°C

### ROCOL Approvals & Applications

- ▶ Joint Services Designation – ZX 38
- ▶ Defence Standard - DEF STAN 80-81//2 (S-722)

### Features & Benefits

- ▶ Reduces the forces required for assembly of close fitting components
- ▶ Prevents galling, pick-up and seizure on assembly and during initial running in period before the service lubricant has circulated
- ▶ Guards against wear and fretting corrosion
- ▶ Excellent wear resistance (high molybdenum disulphide content)

## OXYLUBE Spray

Suitable for applications contaminated by aggressive chemicals or petroleum based solvents, oils and greases.



400ml 10125

7,000 kg/cm<sup>2</sup> -200°C to +450°C

### ROCOL Approvals & Applications

- ▶ Rolls Royce Specification – R-R OMAT 4/54
- ▶ **Naval Cat No:** 0475-224-1963
- ▶ **NATO Stock No:** 9150-99-224-1963

### Features & Benefits

- ▶ Dry film lubrication – resists pick up of contaminants
- ▶ Inorganic resin bonded - suitable for oxygen and vacuum environments. Prevents galling, pick-up and seizure
- ▶ Excellent wear resistance (high molybdenum disulphide content)
- ▶ Suitable for precision and fine threaded components

## Penetrating Spray

Extreme performance, molybdenum disulphide reinforced penetrating spray.



300ml 14021

### ROCOL Approvals & Applications

- ▶ Corroded threaded fasteners
- ▶ Seized components
- ▶ Outdoor and Marine environments
- ▶ General industrial applications

### Features & Benefits

- ▶ Excellent penetration
- ▶ Powerful jet application to aid penetration of seized rust and debris
- ▶ Molybdenum disulphide to aid dismantling
- ▶ Light residual film for short term corrosion protection
- ▶ Fast acting performance

## Shock Release Spray

Food grade release and dismantling lubricant with shock freeze action.



400ml 32040



### ROCOL Approvals & Applications

- ▶ **Does not contain:** mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients
- ▶ **Manufactured from only FDA listed ingredients:** FDA Group 21 CFR 178.3570
- ▶ **NSF registered:** NSF H1 registered – 141594 ISO 21469 Certified

### Features & Benefits

- ▶ Freezing action causes micro-cracking for rapid release
- ▶ Advanced synthetic base oils for highly effective dismantling
- ▶ Reinforced with sub micron PTFE
- ▶ Safe for use on all metals, common plastics and rubbers
- ▶ Shock cooling temperature -40°C in 10 seconds
- ▶ DETEX™ – x-ray and metal detectable plastic components (aerosol caps and actuators) capable of detection by most x-ray and metal detection equipment

ROCOL House, Swillington, Leeds LS26 8BS

T +44 (0) 113 232 2600

F +44 (0) 113 232 2740

E customer-service@rocol.com

ROCOL is a trademark of ITW Inc.

www.rocol.com

ROCOL A division of **ITW** Ltd



Certificate No. FM 12448



Certificate No. EAS 67596



Certificate No. OHS 78173

