



شرکت فنی مهندسی NGS

مشخصات (anti-seize) های تولیدی این شرکت بشرح ذیل اعلام می گردد:

- ۱- مقاومت در برابر خوردگی
- ۲- روان کننده و آبیندی کننده در درجه حرارت های بالا و پایین
- ۳- مانع چسبندگی قطعات بهم
- ۴- کاهش دهنده ۲۰ درصدی نیروی گشتاوری لازم جهت باز کردن قطعات از هم
- ۵- این مواد می توانند در قطعات پیچ شده بهم، بوشینگ ها، زنجیرها، اهرم ها و لولاهای، پیچ و مهره ها و مبدل های حرارتی مورد استفاده قرار گیرند.

گریدهای Anti-Seize :

این گریدها از پودرهای فلزی، گرافیت و ترکیبات ضد زنگ و Synthetic Base و Thickener تولید شده و موارد کاربردی این ترکیبات در قطعات پیچ شده بهم، بوشینگ ها، زنجیرها، اهرم ها و لولاهای، پیچ و مهره ها و مبدل های حرارتی عبارتند از:

- روان کننده
- آبیندی کننده
- مانع چسبندگی قطعات بهم
- کاهش دهنده ۲۰ درصدی نیروی گشتاوری لازم جهت باز کردن قطعات از هم
- ممانعت از خوردگی تجهیزات، حتی در حضور مواد شیمیایی قوی مانند سود سوزآور، اسیدهای رقیق سولفوریک، هیدروکلریک و نیتریک، که با فدا کردن فلزات موجود در آنها از فلز اصلی محافظت می نمایند.

---

تبریز: روبروی پمپ بنزین پالایشگاه- کوی صنعتی توحید- کوچه ابریشم، ۷ متری دوم، پلاک ۲۵، شرکت فنی مهندسی NGS

فکس: ۰۴۱-۳۴۲۶۳۲۳۷ - تلفن همراه: ۰۹۳۷۰۶۵۸۰۳۴ - تلفن: ۰۴۱-۳۴۲۵۲۹۸۵

[www.ngschemicals.com](http://www.ngschemicals.com)

## REGULAR GRADE ANTI-SEIZE



Performs to 1093°C

### REGULAR GRADE ANTI-SEIZE

*Regular Grade Anti-Seize* is produced from fine metallic particles. It has thousands of applications but the primary contribution to performance lies in the ability to resist corrosion. Even in the presence of strong chemicals such as caustic solutions, and acids including dilute sulphuric, hydrochloric and nitric, a quality Anti-Seize will continue to resist galvanic attack by sacrificing the metals in the anti-seize in preference to the metal parts under protection.

Characteristic	Product	Packaging
<b>BASIC COMPOSITION:</b> fine metallic particles <b>COLOR:</b> SILVER GRAY <b>TEMPERATURE:</b> -53 TO 1093°C. <b>NLGI GRADE:</b> 1 <b>SPECIFIC GRAVITY:</b> 1.2 <b>DROP POINT:</b> 193.33°C. <b>FLASH POINT:</b> C.O.C. 182.22°C. <b>PENETRATION:</b> 270 + -20 <b>PARTICLE SIZE:</b> 1 MIL. MAXIMUM <b>COEFFICIENT OF FRICTION:</b> 0.07* * SHELL 4 BALL METHOD.	Reg-Anti-Seize	250 gr. CAN 500 gr. CAN 1000 gr . CAN

### Application

Can be used as a lubricant, a sealer, a break in lubricant, a tapping compound on plastics as well as metals. Surface need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. The reduction in assembly friction increases torque tension by about 20%. Use on threaded parts, bushings, gears, valve stems, chain sprockets, levers, hinges, pivots, rollers, or manifold bolts,.

**NOTE:** This product is not recommended for pure oxygen systems.

[www.ngschemicals.com](http://www.ngschemicals.com)

## Nickel-GRADE

Performs to 1426°C



### Nickel GRADE ANTI-SEIZE

Nickel *Grade Anti-Seize* is produced from fine metallic particles in a heat resistant lubricant and performs particularly well as nickel is a hard metal and keeps surfaces apart even under high pressure. It is recommended when very different metals are used together such as brass and steel or where high alloy steel such as stainless are involved. Nickel is also used where soft metals such as copper cannot be present, and it performs to 1426°C.

Characteristic	Product	Packaging
<b>BASIC COMPOSITION: fine metallic particles</b> <b>COLOR: SILVER GRAY</b> <b>TEMPERATURE: -53 TO 1426°C.</b> <b>NLGI GRADE: 1</b> <b>SPECIFIC GRAVITY: 1.2</b> <b>DROP POINT: 193°C.</b> <b>FLASH POINT: C.O.C. 260°C.</b> <b>PENETRATION: 270 +/-20</b> <b>PARTICLE SIZE: 1 MIL. MAXIMUM</b> <b>COEFFICIENT OF FRICTION: 0.085*</b> <b>* SHELL 4 BALL METHOD</b>	<b>Nickel -GRADE</b> -Anti-Seize	250 gr. CAN 500 gr. CAN 1000 gr. CAN

### Application

**Nickel -GRADE** Anti-Seize is recommended where very different metals are used together such as brass and steel because Nickel is a hard metal and keeps surface apart. It is also used where high Nickel alloy metals such as Stainless Steel, or where Titanium or other hard metals are involved. Nickel Anti-Seize is also used where metals such as Copper cannot be present such as in caustic, ammonium or high acidity processing plants. Surface need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. Use on threaded parts, bushings, gears, valve stems, chain sprockets, levers, hinges, pivots, rollers, heat exchanger or manifold bolts, or as a gasket release agent, rings, etc.

**NOTE: This product is not recommended for pure oxygen systems.**

## COPPER GRADE ANTI-SEIZE

Performs to 1093°C



### COPPER GRADE ANTI-SEIZE

*Copper Grade Anti-Seize* is produced from fine metallic particles. The properties are similar to Regular Anti-Seize but anti-galvanic properties are not as great.

Characteristic	Product Name	Packaging
<b>BASIC COMPOSITION:</b> fine metallic particles <b>COLOR:</b> METALLIC COPPER <b>TEMPERATURE:</b> -53 TO 1093°C. <b>NLGI GRADE:</b> 1 <b>SPECIFIC GRAVITY:</b> 1.2 <b>DROP POINT:</b> 193.33°C <b>FLASH POINT:</b> C.O.C. 260°C <b>PENETRATION:</b> 270 +-20 <b>PARTICLE SIZE:</b> 1 MIL. MAXIMUM <b>COEFFICIENT OF FRICTION:</b> 0.07* * SHELL 4 BALL METHOD.	COPPER -Anti-Seize	250 gr. CAN 500 gr. CAN 1000 gr . CAN

### Application

Can be used as a lubricant, a sealer, a break in lubricant, a tapping compound on plastics as well as metals. Surface need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. The reduction in assembly friction increases torque tension by about 20%. Use on threaded parts, bushings, gears, valve stems, chain sprockets, levers, hinges, pivots, rollers, heat exchanger or manifold bolts, or as a gasket release agent, etc.

**NOTE:** *This product is not recommended for pure oxygen systems.*

[www.ngschemicals.com](http://www.ngschemicals.com)

## STAINLESS STEEL GRADE ANTI-SEIZE

Performs to 1371°C



### STAINLESS STEEL GRADE ANTI-SEIZE

*Stainless Steel Grade Anti-Seize* provides ultimate protection as a high temperature anti-seize and extreme pressure lubricant. Stainless Steel Anti-Seize stops corrosion, galling and seizure between metal parts and is recommended for service to 1371°C.

Characteristic	Product	Packaging
<b>BASIC COMPOSITION:</b> fine metallic particles <b>COLOR:</b> SILVER GRAY <b>TEMPERATURE:</b> -51 TO 1371 °c. <b>NLGI GRADE:</b> 1 <b>SPECIFIC GRAVITY:</b> 1.2 <b>DROP POINT:</b> 193.33°C. <b>FLASH POINT:</b> C.O.C. 260°C. <b>PENETRATION:</b> 180 +-30 <b>PARTICLE SIZE:</b> 1 MIL. MAXIMUM (25µ) <b>COEFFICIENT OF FRICTION:</b> 0.09* * SHELL 4 BALL METHOD	<b>STAINLESS STEEL -Anti-Seize</b>	<b>250 gr. CAN</b> <b>500 gr. CAN</b> <b>1000 gr . CAN</b>

### Application

Stainless Steel Anti-Seize is recommended where very different metals are used together such as brass and steel because Stainless Steel is a very hard and keeps surfaces apart. It is also used where high Nickel alloy metals such as stainless steel, or where Titanium or other hard metals are involved. Stainless Steel Anti-Seize is also used where metals such as copper cannot be present, such as in steam turbine generators or nuclear processing plants. Surfaces need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. Use on threaded parts, bushings, gears, valve stems, chains, sprockets, levers, hinges, pivots, rollers, heat exchanger bolts, manifold bolts, or as a gasket release agent, etc.

**NOTE:** This product is not recommended for pure oxygen systems.

## SILVER GRADE ANTI-SEIZE

Performs to **870°C**



SILVER GRADE ANTI-SEIZE is a heavy-duty, high temperature, anti-seize lubricant that resists galling and corrosion and reduces wear in heavy pressure applications. This product is used to lubricate and to permit easy disassembly of assemblies exposed to high temperatures, heavy contact pressures in mines, power generation plants, pulp and paper plants, chemical plants, quarries, transportation, water treatment plants and general industry. Typical applications include boiler and oven parts, jet engines, studs, pumps, couplings, splines, bolts, bushings, pipes, flanges and industrial turbines. This product is typically used in applications up to 870 °C.

Characteristic	Product	Packaging
<b>BASIC COMPOSITION: fine metallic particles</b> <b>COLOR: SILVER GRAY</b> <b>TEMPERATURE: -53 TO870°C.</b> <b>NLGI GRADE: 1</b> <b>SPECIFIC GRAVITY: 1 to 1.3</b> <b>DROP POINT: 232 °c.</b> <b>FLASH POINT: C.O.C.182.22°C.</b> <b>PENETRATION: 270 +-20</b> <b>PARTICLE SIZE: 1 MIL. MAXIMUM</b> <b>COEFFICIENT OF FRICTION: 0.07*</b> <b>* SHELL 4 BALL METHOD.</b>	Silver-Anti-Seize	<b>250 gr. CAN</b> <b>500 gr. CAN</b> <b>1000 gr . CAN</b>

### Application

Can be used as a lubricant, a sealer, a break in lubricant, a tapping compound on plastics as well as metals. Surface need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. The reduction in assembly friction increases torque tension by about 20%. Use on threaded parts, bushings, gears, valve stems, chain sprockets, levers, hinges, pivots, rollers, or manifold bolts,.

**NOTE: This product is not recommended for pure oxygen systems.**

## GRAPHITE GRADE ANTI-SEIZE

Performs to **482°C**



### GRAPHITE GRADE ANTI-SEIZE

Graphite Based Anti Seize is a premium anti seize, thread compound, and lubricant containing pure graphite. Graphite has a particular form of carbon distinguished by hexagonal crystallinity. Graphite flakes slip over one another, giving it its' greasy feel. Graphite has long been used as a lubricant in applications where "wet" lubricants, such as oil, cannot be used. Because the atomic bond of graphite is stronger than that of diamonds, Graphite Base provides super lubricity for extreme temperatures up to +900°F (482°C). Because carbon is naturally conductive, Graphite Base offers excellent electrical conductive properties. These properties are largely attributed to the vast electron delocalization within the layers of carbon.

Characteristic	Product	Packaging
<b>BASIC COMPOSITION: fine non metallic particles</b> <b>COLOR: GRAY</b> <b>TEMPERATURE: -53 TO 482°C.</b> <b>NLGI GRADE: 1</b> <b>SPECIFIC GRAVITY: 1.2</b> <b>DROP POINT: 193.33°C.</b> <b>FLASH POINT: C.O.C. 182.22°C.</b> <b>PENETRATION: 270 +-20</b> <b>PARTICLE SIZE: 1 MIL. MAXIMUM</b> <b>COEFFICIENT OF FRICTION: 0.07*</b> <b>* SHELL 4 BALL METHOD.</b>	Reg-Anti-Seize	<b>250 gr. CAN</b> <b>500 gr. CAN</b> <b>1000 gr . CAN</b>

#### Application

• Spark plug threads • Knife-type disconnect switches • Pipe threads • Nuts, bolts, studs • Gears, sprockets, chains • General use anti-seize lubrication.

#### SAFE FOR USE ON :

Stainless Steel - Nickel – Titanium – Cobalt and other Corrosion Resistant Alloy

**NOTE: This product is not recommended for pure oxygen systems.**

[www.ngschemicals.com](http://www.ngschemicals.com)