

PRODUCT INFORMATION

COP-GRAF™, SPECIAL™, NICKEL-GRAF™, MOLY-LIT™ and METAL-FREE 2000™

ANTI-SEIZE AND LUBRICATING COMPOUNDS

DESCRIPTION:

These anti-seize compounds are blends of various technical grade solids, superior lubricants, anti-oxidants, corrosion inhibitors and other high quality components to insure maximum protection under high temperatures, extreme pressure, and corrosive environments. They are high performance, high temperature lubricants, designed to stop seizing and galling during the assembly and disassembly of metal parts.

FEATURES AND BENEFITS:

- * Protection against Rust & Corrosion
- * Reduces Friction – Provides Constant Torque/Tension
- * Speeds Assembly and Disassembly
- * Prevents Seizing, Galling & Cold Welding
- * Non-hardening & Non-Dripping
- * Retards Galvanic Action between Dissimilar Metals

<u>SERVICE RECOMMENDATIONS:</u>	COP-GRAF™	SPECIAL™	NICKEL-GRAF™	MOLY-LIT™	METAL FREE 2000™
	-300° to 1800°F	-300° to 2000°F	-300° to 2600°F	-300° to 2400°F	-300° to 2400°F
	(-184° - 982°C)	(-184° - 982°C)	(-184° - 1426°C)	(-184°-1315°C)	(-184° -1315°C)

COMPOSITION:

SOLID LUBRICANTS:	39%	42%	38%	48%	48%
Copper.....	X	X			
Aluminum.....		X			
Nickel.....			X		
Graphite.....	X	X	X	X	X
Molybdenum Disulfide.....				X	X
CARRIER plus Additives:.....	61%	58%	62%	52%	52%

In general these compounds are composed of fine powders, dispersed in high quality, non-melting carrier that has been fortified with Anti-Oxidants, Corrosion Inhibitors.

TYPICAL PHYSICAL PROPERTIES:

Specific Gravity.....	1.20	1.20	1.20	1.38	1.40
Weight per gallon.....	10.0 LB	10.0 LB	10.0 LB	11.5 LB	11.5 LB.
Penetration, ASTM D-217-60T, 100-3000 Strokes...	320 –350	320 –350	320 –350	290 –320	290 –320
Oil Separation, 30 hr. at 158 F.....	1%	1%	1%	1%	<1%
Flash Point, ASTM D-92-85 (IP 36/65).....	450°F	450°F	450°F	450°F	475°F
Color.....	Copper	Aluminum	Nickel	Black	Dark Gray
Friction Coefficient.....	0.10	0.10	0.096	0.085	

Torque Coefficient “nut factor”.....K Values for the above is 0.15 ± .02. Testing is required to determine the exact K values and specific performance on any individual fastener using the desired anti-seize compound.

Homogeneity: These compounds will not settle, harden, or separate, under normal conditions.

SHELF LIFE:

Anti-Seize Compounds have no change in consistency or appearance more than one year in a closed container. Guaranteed replacement one year from date of purchase. Shelf life may be longer depending upon storage location and conditions. Store with container covered in a cool dry place for optimum shelf life.

Anti-Seize Compounds**TYPICAL USERS; INDUSTRIES AND FACILITIES:**

Aircraft, Assembly and Manufacturing, Automotive, Agricultural Equipment Mfg., Chemical plants, Construction and Earth-moving, Farms and Irrigation, Metal Working, Marine and Shipyards, Municipal Sewage and Water Treatment, Oil Drilling and Mining, Pulp and Paper Mills, Petroleum Refineries, Power Plants, Steel Mills and Foundries, Truck and Fleet Maintenance, Textile Mills.

TYPICAL APPLICATIONS:

FLANGES & FITTINGS	PUMPS & VALVES	BOLTS & STUDS
MOTOR MOUNTS & ADAPTORS	SHAFTS & DRIVES	GEARS & PULLEYS
CAM ROLLERS & GUIDES	NUTS & PLUGS	CENTERS & SLIDES
GLAND PLATES & VALVE STEMS	PUNCHES & DIES	TUBING & UNIONS
PRESS FITS & KEY WAYS	DRILLS & TAPS	CHAINS & LIFTS
HEAVILY LOADED & SLOW MOVING BEARINGS		COUPLING, JOINTS

CLEAN-UP PROCEDURE FOR:

SKIN CONTACT: Under normal usage – removal from skin with soap and warm water

EQUIPMENT: Alcohol based solvents work best.

<u>Net weight, Container and Part No.</u>	COP-GRAF™	SPECIAL™	NICKEL-GRAF™	MOLY-LIT™	METAL-FREE 2000™
2 oz. Brush Top Jar	11002	18002	13002	12002	—
3 oz. Tube	11003	18003	13003	12003	—
5 oz. Brush Top Can	11005	18005	—	—	20005
8 oz. Brush Top Can (11 oz.)	11010	18010	13010	(12012)	20010
12.5 oz. Aerosol	11014	18014	13014		
15oz. Grease Cartridge	11015	18015	13015	12015	20015
1lb. Can (23 oz.)	11016	18016	13016	(12016)	—
1 lb. Brush Top Can (23 oz.)	11018	18018	13018	(12018)	20018
1lb. Brush Top <u>Metal Can</u>	11019	18019	13019	—	—
2 ½ lb. Can (2 lb.)	11025	18025	13025	12032	(20025)
8 lb. Can (10 lb.)	11030	18030	13030	(12035)	20030
42 lb. Pail (50 lb.)	11050	18050	13050	(12050)	20050
130 lb. Keg	11130	18130	13130	12130	20130
425 lb. drum (500 lb.)	11425	18425	13425	(12500)	20425

LIMITED WARRANTY: ANTI-SEIZE TECHNOLOGY has made every reasonable effort to ensure the accuracy of the information contained in our literature and labels. However, this data is provided only as a general guide as numerous variables, over which we have no control, can effect a products performance and suitability to a particular application.

Anti-Seize Technology can therefore neither guarantee nor assume responsibility for the results obtained by others. It is necessary for the User to test each proposed application prior to incorporating the product into use and we recommend and assume that the User will conduct such testing. For a period of one year from the date of purchase, Anti-Seize Technology will, upon return of the unused portion of the product for inspection, replace or grant full credit of purchase price for any product it sells which fails to meet the physical property specifications which correspond to that product. — **Addition details**

Moreau Marketing & Sales
410 Lori Lane
Winston-Salem, NC 27127
336-764-5232 Fax: 336-764-0941
www.Rmoreau.com