

# PRODUCT INFORMATION

## COPPER PLATE™, ALUMINUM PLATE™, NICKEL PLATE™, MOLY PLATE™ and METAL FREE 2000-S™

### ANTI-SEIZE AND LUBRICATING COMPOUNDS

#### DESCRIPTION:

The PLATE™ products and METAL FREE 2000-S™ contain a synthetic, non-melting carrier. These high quality lubricants depolymerize and dissipate at temperatures above 400°F (204°C) without leaving a carbon residue, depositing a dry film of their major solid component to plate and protect metal surfaces to their extreme temperature limits.

#### FEATURES AND BENEFITS:

- \* Protection against Rust & Corrosion
- \* Do not form an abrasive residue at high temperatures
- \* Reduces Friction – Provides Constant Torque/Tension
- \* Speeds Assembly and Disassembly
- \* Prevents Seizing, Galling & Cold Welding
- \* Non-hardening & Non-Dripping

#### SERVICE RECOMMENDATIONS:

	COPPER PLATE™	ALUMINUM PLATE™	NICKEL PLATE™	MOLY PLATE™	METAL FREE 2000-S™
	-300° to 1800°F (-184°- 982°C)	-300° to 1800°F (-184°- 982°C)	-300° to 2600°F (-184° - 1426°C)	-300° to 2400°F (-184°-1315°C)	-300° to 2400°F (-184° -1315°C)

#### COMPOSITION:

General: composed of fine powders, dispersed in high quality, non-melting carrier which has been fortified with Anti-Oxidants, Corrosion Inhibitors.

SOLID LUBRICANTS: .....	21%	21%	38%	48%	48%
CARRIER plus Additives: .....	79%	79%	62%	52%	52%

#### TYPICAL PHYSICAL PROPERTIES:

Specific Gravity.....	1.05	1.10	1.15	1.25	1.20
Weight per gallon.....	8.8 LB	9 LB	9.9 LB	10.4	10 LB
Penetration, ASTM D-217-60T	320 –350	320 –350	320 –350	320-350	290 -320
Oil Separation, 30 hr. at 158 F.....	<1%	<1%	<1%	<1%	<1%
Flash Point, ASTM D-92-85 (IP 36/65).....	425°F		425°F	425°F	425°F
Color.....	Copper	Aluminum	Nickel	Black	Black

Homogeneity: Plate Products do not require mixing. They will not settle, harden, or separate, under normal conditions.

#### SHELF LIFE:

PLATE™ Products 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.

**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.

<b><u>Net weight, Container and Part No.</u></b>	COPPER PLATE™	ALUMINUM PLATE™	NICKEL PLATE™	MOLY PLATE™	METAL FREE 2000-S™
2 oz. Brush Top Jar	21002	32002	35002	37002	—
5 oz. Brush Top Can	—	—	35005	—	20005-S
6 oz. Pressure Can with Applicator	21006	32006	35006	—	—
8 oz. Brush Top Can	21010	32010	35010	37010	20010-S
15oz. Grease Cartridge	21015	32015	35015	37015	20015-S
1 lb. Brush Top Can	21018	32018	35018	37018	20018-S
1 lb. Brush Top <u>Metal Can</u>	21019	32019	35019	37019	20019-S
2 lb. Can	21025	32025	35025	37025	20025-S
8 lb. Can	21030	32030	35030	37030	20030-S
42 lb. Pail	21050	32050	35050	37050	20050-S
130 lb. Keg	21130	32130	35130	37130	20130-S
425 lb. drum	21425	32425	35425	37425	20425-S

**CAUTIONS:**

Read all information on labels and MATERIAL SAFETY DATA SHEETS prior to use. All products should be tested & evaluated for a particular purpose prior to use.

**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 can be found on the inside back cover of our Product Line Catalog.**

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