

# HIGH-PRESSURE AND HIGH-TEMPERATURE ASSEMBLY LUBRICANT M 8048 ANTISEIZE

**M 8048** is syntetic copper **high-pressure and high-temperature assembly** lubricant with **extra low wear** and excellent **weather conditions resistance**. Produced specially for high water, steam and salt water resistance. It holds very well also the **extremly temperature shocks** ( - 20 + 1100°C). It is an excellent anticorrosive protection. The product **reduce lubricating cycle and noisiness** very fast and also **reduce the costs**. The most frequent using is where other lubricants doesn't scant to the requested parameters (pressure, temperature, humid environment, etc.)..

**M 8048** is safe on all metals, rubber and plastics and it is resistant to ice, snow, fresh and salt water

**M 8048** inhibits to originate of voltaic arc and is suited for electric contacts, contact-makers and insulators.

**M 8048** - slide and pressure resistant copper component lubricates at the temperature above **400°C**

**M 8048** has extra high pressure resistant (**4800 N**) and wear resistant (0,50 mm). Product warrants coat with a constant thickness and homogeneous look. Does not contain SILIKON and metallic salts, lead and nitrites !!!

**M 8048** is designed specially for engineering, chemical, plastic, automobile and agricultural industry applications. At work with metal is used as cohesive, water, temperature and pressure resistant lubricant.

**M 8048** has unique property for pins, has conducting properties. **M 8048** is directed for lubricating in a exacting plants, in tepmerature stressed plants, in humid plants, in chemical environment and where is possibility of extremly pressure. Our product is compatible with most of plastics, elastomers, rubbers and is applicable for all metals incl. chromium-plated surfaces. **Compatible with „O“ and „X“ circles.**

**M 8048** warrants 100% utilization of product's properties at temperature **-20°C till +1100°C.**



- ✓ **MONTÁŽNÍ MAZIVO**
- ✓ **ZABRAŇUJE VZNIKU EL. OBLOUKU**
- ✓ **INHIBITS TO ORIGINATE TO VOLTAIC ARC**
- ✓ **INHIBITS TO SEIZING, SINTERING, WELDING IN COLD AND RUST FORMATION**
- ✓ **WATER RESISTANT WITHOUT DEGRADATION AND CHEMICAL ENVIRONMENT RESISTANT**
- ✓ **EXTREMELY PRESSURE RESISTANT**
- ✓ **EXTREMELY TEMPERATURE RESISTANT**
- ✓ **EXTREMELY LOW WEAR**
- ✓ **REDUCE NOISNESS VERY MARKEDLY**
- ✓ **REDUCE LUBRICATING CYCLES**
- ✓ **ESPECIAL LIFETIME ON THE STATIC CONNECTIONS**
- ✓ **PRODUCT OPERATES AS LUBRICANT TO 350°C, THEN OPERATES AS ASSEMBLY PASTE**
- ✓ **TEMPERATURE SHOCKS RESISTANT**
- ✓ **TEMPERATURE AND CHEMICAL RUST PROTECTION**
- ✓ **PROTECTION OF SURFACE FROM ELECTROLYTIC CORROSION**

**M 8048** has an excellent lubricating properties that reduce costs for straping screw-bolts, screw-threads, hinge pins, axletrees, exhausts, braking system reparation and also boiler fittings and burner assembly. **M 8048** full eliminates grinding and deformation of the threads. **M 8048** is easy to use, reduce abrasion and protect from rusting and pitting corrosion, behaves as gasket

**M 8048** contains special high pressure additives which inhibits to negative effects on direct contact metal to metal and thereby prolong the lifetime of an expensive components.

# M 8048 ANTISEIZE

## USING :

- ✦ elektric wiring and screw-coupling
- ✦ assembly and disassembly applications (screwed systems, compounding of parts, gasket protection)
- ✦ full eliminates grinding and deformation of the threads
- ✦ that reduce costs for hinge pins, exhausts, braking system reparation and also boiler fittings and burner assembly
- ✦ bearings, pulley, pumps, joints, elements
- ✦ lubricating of high temperature chains
- ✦ transfers with stationary contact, geared transmission (also unprotected), force transmission
- ✦ screwed rod, leading, rods, cam chain guidel, roller systems
- ✦ steam conduit assembly (screwing, gasket, enclosures) and lubricating of pressers
- ✦ gasket impregnation (O-ringes) and protection from temperature damage
- ✦ jet injection lubricating (plastic industry) and burner (heat station)
- ✦ conveyer systems unprotected, conveyers also in dusty environment, gathering system, receiving hoppers, camshaft lobes, buttons
- ✦ braking systems, turbines, combustion engines, compressors
- ✦ in foundry industry – ejectors, separation of forms, at shaking out, enclosures, hangers of furnaces, pair of tongs for ignots
- ✦ pumping devices, pumps, gate-valves, valves, armours, mixers, grinders
- ✦ heavy technics – cranes, turning boards, lifts, hoisting apparatus

CHARAKTERISTIC M 8048	NORM	VALUE	UNIT
Aspect	Visual	Smooth	
Colour	Visual	Copper	
Cooper foil corrosion, 24 hrs at 100°C	ASTM D 4048	1a	Record
On torque / disassembly toque at 450°C	MIL A 907 E80	80-90	Nm
On torque / disassembly toque at 750°C	MIL A 907 E80	80-95	Nm
NGLI grade	NGLI	2	
Thermal conductivity		0,090	W/m.kg
Density at 25°C	NF T 30 020	990	Kg/m <sup>3</sup>
Homogenity		Homogenous	
Cinematic viscosity of the base oil 40°C	NF T 60 100	140	mm <sup>2</sup> /s-1
Acidity index of the base oil		0,38	mgKOH/g
Nature of the base oil		Synthetic	
Nature of the solid lubricants		Copper	
Odour		Light	
Hoffmann oxidation, 100 hrs at 100°C (fall of pressure)	ASTM D 942	3	psi
Temperature tolerance, uninterrupted		- 20 + 1100°C	°C
Freezing pointof the base oil		- 25	°C
Drop point	NF T 60 102	180	°C
Penetration	ISO 2137 NF T 60 132	265-295	1/10°mm
Worked penetration, 60		265-295	1/10°mm
Worked penetration, 1 000		265-295	1/10°mm
Worked penetration, 10 000		275-305	1/10°mm
Worked penetration, 100 000		275-305	1/10°mm
Transfer power		0,46	W/m2.kg
Oil separation after 7 days at 40°C	IP 221	0	% mass
Oil separation after 24 hrs at 41kPa	ASTM D 1742	1	% mass
Four balls SHELL test, wear	ASTM D 2266	0,50	mm
Four balls SHELL test, weld load	ASTM D 2596	4800	N
TIMKEN test	ASTM D 2509	45	lbs
EMCOR test	NF T 60 135	1	score
<b>Volatility at 100°C</b>	<b>NF T 60 161</b>	<b>6</b>	<b>% mass</b>

**PACKAGING:** - 0.5/5/50/200/1000 kg and also in 500 ml spray.

**STORAGE:** Keep away from children. Consumption : min. 12 months from the production date. Keep away from temperature above 50°C.

**HEALTH AND SAFETY** – This product is nontoxic and doesn't contain lead. Read the Material Data Sheets before using. Quoted values are average and doesn't represent the specification.

Produced by : **HF Market** s.r.o. , Plešnice 21, 330 33 Město Touškov , Czech republic

Tel.: +420 377 279 254, 377 279 255 Fax.: +420 377 279 260,  
E-mail: [hfmarket@hfmarket.cz](mailto:hfmarket@hfmarket.cz), [www.hfmarket.cz](http://www.hfmarket.cz)