



OVS 280-20

High Viscosity, Heavy-Duty Stamping Lubricant

Metal Mates OVS 280-20 is a heavy-duty semi-synthetic lubricant for stamping, forming, piercing, drawing, and punching in a variety of metals. A lower-viscosity (easier to mix) version of OVS 210, includes the same micro-emulsion stamping and drawing lubricant designed to work with progressive dies and multi-forming operations. It provides superior physical and chemical lubrication for a wide range of metal deformation applications. OVS has extreme pressure and anti-wear additives to reduce and eliminate scoring in heavy-duty stamping, punching, and forming. The OVS micro-emulsion technology prevents oily build-up and extends tool and die life by allowing metal fines to easily wash out. Dries to a clean touch and doesn't leave a sticky or tacky residue on parts.

Easy clean-up with no pre-weld wash needed. Greatly reduces smoke and fumes during welding. Recommended for use with 0.150" - 0.200" cold-rolled, electro-galvanized (galvanneal), hot-dip galvanized, stainless, high-strength steel (HSS), and ultra-high-strength steels (UHSS).

FEATURES

- Extends tool life
- Will not build up in dies
- Can be welded without wash
- Can be diluted in wide range
- Lighter viscosity

APPLICATIONS

- Medium & Heavy-Duty Stamping including:
- Motor Cradle
- Control Arms
- Suspension Brackets
- Motor Brackets
- Please call for consultation on specific applications

DIRECTIONS

Dilute Metal Mates OVS with water to suit the specific application. Slowly add water to lubricant while mixing. Water quality enhances the performance of all water-dilutable lubricants.



PROPERTIES

Odor	mild
pH Value	8.3-9.3
Specific Gravity	0.98
Flash Point	>200F (>93C)
Boiling Point / Range	212F (100C)
Vapor Pressure	<1
Vapor Density	Heavier than air
Dilution Ratio	Typical Dilution: 3:1 to 6:1 (33-17%)
Melting / Freezing Point	212F (100C)
Total Chlorine	Y
Prop 65 Warning	Yes



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HANDLING

Use appropriate safety equipment. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from extreme heat. Keep container closed when not in use.

STORAGE

Store away from extreme heat, flame, or ignition sources. Pressure buildup may occur due to heat exposure or temperature change. Release pressure by slowly opening container.

DISPOSAL

Absorb on suitable material and follow procedures shown on SDS. Dispose of in a manner that is recommended by local, state, provincial, and federal laws and regulations.

AVAILABLE PRODUCTS

Part No.	Net Contents	Container Type	Units/Case
MM2103	55 gal	drum	1
MM2106	330 gal	tote	1



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