



VS-HSS

Universal HSS Stamping Lubricant

FEATURES

- No cleaning required before welding
- Improves die life
- Excellent rust protection
- Reduces scoring and cracking
- No sticky residue
- Won't build up on dies
- Cleaner, safer work environment

APPLICATIONS

- Light-Duty to Medium-Duty Stamping of HSS Frame Components
- Please call for consultation on specific applications

DIRECTIONS

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

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 with 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.



PROPERTIES

Appearance / Physical State	Blue
Odor	mild
pH Value	9.9
Specific Gravity	0.99
Flash Point	>200F (>93C)
Boiling Point / Range	212F (100C)
Melting / Freezing Point	212F (100C)
Vapor Pressure	<1
Vapor Density	> 1
Prop 65 Warning	Yes
Total Chlorine	None
Dilution Ratio	Light Duty Machining: 30:1 (3%) Moderate Duty Machining: 20:1 (5%) Heavy-Duty Machining: 10:1 (10%)
Density	8.4 lbs/gal (1010 kg/m3)
Refractometer Readings	10:1 = 3.0 20:1 = 1.5 30:1 = 1.0
Specific Gravity	0.95
Water Solubility	Soluble in water

SHELF LIFE INFORMATION

1 year



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AVAILABLE PRODUCTS

Part No.	Net Contents	Container Type	Units/Case	Color
MM1452	5 gal	pail	1	creamy white
MM1453	55 gal	drum	1	creamy white
MM1456	330 gal	tote	1	creamy white



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