



# VS-HSS

## Universal HSS Stamping Lubricant

Metal Mates VS-HSS is a unique reverse-emulsion stamping and drawing lubricant designed for progressive dies and multi-forming operations with high strength steel.

The VS reverse emulsion technology prevents oily build up on parts and dies while providing maximum die life. This product contains extreme pressure additives with barrier lubrication to prevent scoring, cracking and rebounding in high strength steel. VS-HSS shows excellent performance on low, medium and high strength steel in light to moderate-duty applications.

### 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

- Spray, brush, roll coat or drip. Good on multiple substrates, 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.



### PROPERTIES

<b>Appearance / Physical State</b>	liquid
<b>Odor</b>	mild
<b>pH Value</b>	8.0-9.0 at 10%
<b>Specific Gravity</b>	0.99
<b>Flash Point</b>	>200F (>93C)
<b>Boiling Point / Range</b>	212F (100C)
<b>Melting / Freezing Point</b>	212F (100C)
<b>Vapor Pressure</b>	<1
<b>Vapor Density</b>	Heavier than air
<b>Prop 65 Warning</b>	Yes
<b>Total Chlorine</b>	Y
<b>Dilution Ratio</b>	Typical Dilution: 3:1 to 6:1 (33-17%)



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800.241.8334 | [www.itwprobrands.com](http://www.itwprobrands.com)

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### DISPOSAL

Absorb on suitable material and follow procedures listed below.  
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	Color
MM1456	330 gal	tote	1	creamy white



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