

SHINCOOL CF ALH - 4



METALWORKING



TOTAL

Cold Heading Lubricant for Ferrous Metals

APPLICATIONS

- **SHINCOOL CF ALH - 4** is an extreme pressure fortified, cold heading lubricant. It combines the latest additive technology with anti-weld and lubricity agents to create a product capable of performing very difficult forming operations.
- **SHINCOOL CF ALH - 4** provides a chemical barrier between the work piece and die. This lubricant film prevents abrasion of the work piece while extending the life of the die.
- **SHINCOOL CF ALH - 4** finds particular use in the manufacturing of fasteners, bolts, and screws.
- **SHINCOOL CF ALH - 4** contains metal passivators. These additives prevent corrosion of copper based machine components such as bronze bushings and guides.
- **SHINCOOL CF ALH - 4** should be used as received and is generally applied by flooding the work piece. This product, however, may be applied to strips or blanks by dipping, rolling, or brushing. Parts-cleaning is accomplished by solvent degreasers or conventional hot alkaline cleaners.

ADVANTAGES

- Increases tool/die life
- Excellent lubricity properties
- Handles a broad spectrum of ferrous metals
- Excellent metal wetting ability

TYPICAL CHARACTERISTICS	SHINCOOL CF ALH - 4
Appearance	Dark Brown Liquid
Color, ASTM D-1500	8.0+
Viscosity at 40°C, cSt	50.0 - 60.0
Density @ 60 °F, lbs./gal.	7.625
Specific Gravity @ 60/60 °F	0.916
Flash Point, COC, °F/°C	382/196
Copper Strip Corrosion	1a – 1b
Lubricity Content, %wt.	> 30
Sulfur, %wt.	> 4
Chlorine, %wt.	nil

Revised 02/28/12 WHC

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