



DEEP DRAWING & STAMPING COMPOUNDS

NON-FERROUS METALS

The proper choice of lubrication for the forming of metals has become a highly specialized complicated, yet economically important decision. In order to achieve desired performance, available methods of application, protection for expensive tools, temperature limitations, compatibility with a variety of metals, finish requirements, and finally the lubricant's relation to subsequent finishing operations must be carefully considered. For a lubricant or coating to meet these requirements, there is no substitute for experience. **Richards-Apex** has more than 100 years experience in custom formulating metalworking lubricants.

Water Soluble Materials

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| S-60T | Amber liquid product containing fatty lubricity agents, anti-wear additives, anti-oxidants, and bactericide. |
| LW-AA | Soft, paste-form compound formulated with fatty lubricity additives and Inhibitors. Excellent for deep drawing and ironing. |
| TDS-10 | A paste form product formulated for roller coating applications. Lubricity properties improve when lubricant film is dried prior to forming. Contains polar lubricity agents, anti-oxidants and biocide. |
| VAS-40MA | Liquid form compound containing natural soaps, lubricity additives, and inhibitor. |
| CG-SYN1 | Synthetic product fortified with anti-wear additives, polymers, corrosion inhibitor, and bactericide. |
| SRC-4 | Synthetic compound which combines extreme pressure additive, polymers, inhibitor, and bactericide. |



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Oil Form Materials

- AD-25M** Viscous oil-form compound fortified with extreme pressure and fatty lubricity additive for heavy draws and extrusion.
- LW-31D** All-purpose, paste-form compound for perforating, blanking and drawing. Fortified with pigmented, fatty additives. May be thinned with light spindle oil.
- NAL-190T** Low viscosity oil combined with fatty lubricity additives for light stamping and blanking.
- V-4JC** Light viscosity vanishing oil that leaves minimal residual film on the stock. Recommended for very light perforating and blanking.
- V-27** Light viscosity vanishing oil for blanking and perforating copper bearing alloys. Contains inhibitor for improved protection from surface oxidation.