

ONE SOURCE

ONE SOLUTION

ONE WORLD



metalloid

WIREWOKKS

Earth Friendly Solutions

For

WireDrawing



Corporate Headquarters

1160 White Street
Sturgis, MI 49091

Texas Facility

1720 N. Quevado Street
Jacksonville, TX 75766

Indiana Facility

504 Jackson Street
Huntington, IN 46750

800.686.3201

WWW.METALLOIDCORP.COM



Green Cleaners for the World We Share

GREEN CLEANERS FOR WIRE MANUFACTURING

METGREEN

A Low VOC, neutral cleaner and lubricant to replace volatile solvents for in-line wire cleaning. Water rinsable. Safe on all metals. Flash Point: >300°F

METGREEN 2

A synergistic blend of bio-based detergents with low VOC content. Ideal for cleaning wiredrawing dies. Flash Point 175° F. Safe on all metals.

METGREEN 3

A VOC EXEMPT, bio-based, non-flammable, neutral cleaner used as an alternative to high VOC solvent cleaners. Ideal for cleaning dies. Excellent for in-line wire cleaning. Flash Point: 273°F. Excellent corrosion protection. Safe on all metals.

METGREEN 5

A VOC exempt, cleaner used as received or can be diluted with water for economy. VOC Exempt. Flash Point: 250°F. Safe on all metals.

METGREEN 8

A bio-based, neutral cleaner with excellent corrosion protection. VOC EXEMPT. Excellent for cleaning aluminum alloy wires. Safe on all metals.



WireWorks Technology at Work FOR YOU!

| DRY LUBRICANTS | | | | |
|--|--|--------------------------------------|--|------------------------|
| <i>Low Carbon Steel</i> | | | | |
| Lubricant | Surface Prep | Application | Wire Type | Softening Point |
| WireWorks 10005 | Descaled, Acid Pickled, Borax or Lime Coated | Bull Block Drawing, Finishing Die | Nail, Galvanized, Coldheaded, Bright or Plated | 170-190°F |
| WireWorks 10013 | Descaled, Acid Pickled, Borax or Lime Coated | Bull Block Drawing, Finishing Die | Welding, Staple, Electrode, Coldheaded | 125°F |
| WireWorks 10027 | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Coldheaded, Bright or Plated, Galvanized, Copper Plated | 120-148°F |
| <i>High Carbon Steel</i> | | | | |
| Lubricant | Surface Prep | Application | Wire Type | Softening Point |
| WireWorks 10005 USDA BIO PREFERRED | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Coldheaded, Bearing,, Drawing Galvanized, Alum Clad, Cable | 170-190°F |
| WireWorks 10027 | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Spring, Bright or Plated, | 120-148°F |
| WireWorks 10030 | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Coldheaded, Bearing,, Drawing Galvanized, Alum Clad, Cable | 263°F |
| WireWorks 10041 | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Coldheaded, Bearing,, Drawing Galvanized, Alum Clad, Cable | 200°F |
| WireWorks 10045 | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Spring, Bright or Plated, | 120°F |
| WireWorks 10047 | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Spring, Bright or Plated, | 130°F |
| WireWorks 10051 | Phosphate , Polymer, Borax, Lime Coated | Bull Block Drawing, Finishing Die | Coldheaded, Bearing, Drawing Galvanized, Alum Clad, Cable | 230-240°F |
| <i>Stainless & Alloy Steels</i> | | | | |
| Lubricant | Surface Prep | Application | Wire Type | Softening Point |
| WireWorks 10030 | Lime or Borax Coated | 3-4 Hole,, Ripper Box, Finishing Die | Coldheaded, welding, High Alloy Steel | 263°F |



WireWorks

Wiring Your World With Safe Solutions

| WET LUBRICANTS | | | | | | | | |
|--|---------------------|-------------------------------|------------------------|----------------------|--------------------------|-----------------------|------------------------|---|
| <i>LUBRICANT</i> | <i>Steel</i> | <i>Stainless Steel</i> | <i>Aluminum</i> | <i>Copper</i> | <i>Galvanized</i> | <i>Cladded</i> | <i>Anneable</i> | <i>COMMENTS</i> |
| Botanical Oils | | | | | | | | |
| WireWorks 5140 | √ | √ | √ | | √ | | √ | Multi-die, draws wire, bars and tubes |
| WireWorks 5270 | √ | √ | | | | | √ | Heavy-duty version of WW5140 |
| WireWorks 5275 | √ | | | √ | √ | | √ | Single hole wiredrawing, |
| WireWorks 6110* | √ | √ | | | | | √ | Rod break-down, single or multi die. Can also be used as in-line rust protection to replace solvents RPs. |
| WireWorks 6120HV | √ | √ | | | | | √ | Wire, bar and tube drawing |
| WireWorks 6380* | √ | √ | | | √ | | √ | Single and multi die. Available in custom viscosities. |
| CHLORINE FREE – Do not contain chlorinated paraffin | | | | | | | | |
| WireWorks 11** | √ | √ | √ | | | | √ | Drawing welding wire, multi-die, medical |
| WireWorks 15** | √ | √ | | | | | √ | Single/multi-die, surgical wire , medical |
| WireWorks 34** | √ | √ | | | | | √ | Spring, welding multi-die, medical |
| WireWorks 35** | √ | √ | | | | | √ | Drawing alloy steels , medical |
| Water Soluble Oils | | | | | | | | |
| WireWorks C-WD* | √ | √ | √ | √ | √ | √ | √ | Bio-stable, rod break-down, multi-die |
| WireWorks 5430* | √ | √ | √ | √ | √ | √ | √ | Oil free version of WW C-WD |
| WireWorks 9030 | √ | √ | √ | √ | √ | | √ | Wire Weaving (fencing) |
| Evaporative Lubricants | | | | | | | | |
| Metdraw 711 | √ | | √ | | √ | | √ | Stranding lube |
| Metdraw 5772 | √ | | √ | | √ | | √ | Cutting and straightening lube |
| Polymeric Oils | | | | | | | | |
| WireWorks 5130HV | √ | √ | √ | | | √ | √ | Up to 3 hole w pre-coat |
| WireWorks 5130C | √ | √ | √ | | | √ | √ | Up to 3 hole w pre-coat |

***USDA BIOPREFERRED CERTIFIED**

**** STAINLESS STEEL LUBRICANT - NO CHLORINATED PARAFFINS**



WireWorks
Formulated to Provide the WireDrawing Industry
with Environmentally Safe, Soap Free, Solutions

| GREASE LUBRICANTS | | |
|--------------------------------|---|--|
| <i>Carbon Steels</i> | | |
| Lubricant | Application | Comment |
| WireWorks 5110WD | Skin pass drawing before wet drawing | Safe on all metals. Very clean running. |
| WireWorks 5275P | Heavy reduction skin pass drawing | Coldheading, bars and profiles. Safe on all metals |
| WireWorks 5520 | Heavy-duty skin pass drawing before wet drawing | Fully annealable |
| <i>Stainless Steels</i> | | |
| Lubricant | Application | Comment |
| WireWorks 5110WD | Ripper lube, bar drawing | No EP additives, oil free and very clean |
| WireWorks 5120 | Heavy-duty drawing of stainless tube and wire | Pigmented lube |
| <i>Alloy Steels</i> | | |
| Lubricant | Application | Comment |
| WireWorks 5110 WD | Ripper lube, bar drawing | No EP additives, oil free and very clean |
| <i>Aluminum</i> | | |
| Lubricant | Application | Comment |
| WireWorks 5110 WD | Skin pass drawing | Oil free, annealable |
| QUENCH LUBRICANTS | | |
| Lubricant | Application | Comment |
| METCHEM 6520 | Copper, Tin Plated Copper, Cladded | General purpose quenching |
| METCHEM 6140 | Copper, Tin Plated Copper, Cladded | Inhanced lubricity and wetting properties |