# Nylon: D.O.T., High Pressure, & Super Soft

## Specifications

**Temperature Range**
HP: -60°F to +200°F
SS: -40°F to +180°F
DOT: -60°F to +200°F

**Vacuum Rating**
All: To 28" Hg.

**Diameter Tolerances**
HP: < OD .5": ±.004"
> OD .5": ±.005"
SS: ±.004"
DOT: ⅛" - ¼": ±.003"
5/16": ±.004"

**Hardness**
HP: 108 Rockwell R
SS: 57 Shore D
DOT: 78 Rockwell R

**Tube Markings**
HP & SS: FW Specs
DOT: DOT Specs

**Working Pressure**
4:1 Safety Factor

**UV Stabilized**
All: Yes

**Resin Compliance**
Meets UL94HB Testing Requirements

**Suggested Fittings**
Push-In, Compression

## D.O.T. Nylon 11

D.O.T. tubing is made using our standard Nylon. Type "A" Air Brake tubing is ideal for use on vehicles for instrumentation and pneumatic accessories connected to the air brake system. Type "A" Air Brake tubing is non-reinforced and meets SAE J844 specifications and is available in a variety of colors.

D.O.T. Nylon

## High Pressure Nylon 11

Freelin-Wade's High Pressure Nylon tubing is made from a semi-rigid compound that has outstanding tensile strength and chemical resistance, making it the ideal choice for chemical and oil processing lines, tool lubricating systems and other applications that require a high quality Nylon material with much higher burst ratings.

## Super Soft Nylon 11

Freelin-Wade's Super Soft Nylon 11 tubing is formulated with a special compound to significantly increase flexibility while retaining the outstanding qualities of our standard Nylon tubing. This advantage makes our Super Soft Nylon 11 the ideal choice where media and environmental conditions make polyurethane impractical.

- More flexible than standard Nylon tubing
- Heat and light stabilized.

### D.O.T. Tubing

| Part Number & Color Code | Packaging Unit Size | OD | Wall | Standard Colors | Burst Pressure 75°F/25°C | lbs./ 100' | Bend Radius | Fitting |
|---|---|---|---|---|---|---|---|---|
| 1J-220-___ | 100' Bag | 1/8" | .023 | 01 05 07 08 09 | 1000 PSI | .34 | 3/8" | PI, C |
| 1C-220-___ | 500' Reel | | | | | | | |
| 1B-220-___ | 1000' Reel | | | | | | | |
| 1A-220-___ | 2000' Reel | | | | | | | |
| 1J-221-___ | 100' Reel | 5/32" | .032 | 01 05 06 07 09 | 1200 PSI | .57 | 1/2" | PI, C |
| 1C-221-___ | 500' Reel | | | | | | | |
| 1B-221-___ | 1000' Reel | | | | | | | |
| 1A-221-___ | 2000' Reel | | | | | | | |
| 1J-222-___ | 100' Bag | 3/16" | .036 | 01 05 06 08 09 | 1200 PSI | .77 | 3/4" | PI, C |
| 1B-222-___ | 500' Reel | | | | | | | |
| 1A-222-___ | 2000' Reel | | | | | | | |
| 1J-223-___ | 100' Bag | 1/4" | .040 | 01 05 06 07 08 09 | 1200 PSI | 1.21 | 1" | PI, C |
| 1B-223-___ | 500' Reel | | | | | | | |
| 1A-223-___ | 1000' Reel | | | | | | | |
| 1J-225-___ | 100' Bag | 5/16" | .040 | 01 05 07 09 | 1000 PSI | 1.57 | 1-1/4" | PI, C |
| 1A-225-___ | 500' Reel | | | | | | | |
| **Variations Available:** | | | | **Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes** | | | | |

## High Pressure Nylon 11

| Part Number & Color Code | Packaging Unit Size | OD | ID | Wall | Standard Colors | Working Pressure 75°F/25°C | lbs./ 100' | Bend Radius | Fitting |
|---|---|---|---|---|---|---|---|---|---|
| 1J-280-___ | 100' Bag | 1/8" | .073" | .026" | 10 | 800 PSI | .39 | 5/16" | PI, C |
| 1B-280-___ | 500' Reel | | | | | | | | |
| 1A-280-___ | 2500' Reel | | | | | | | | |
| 1J-281-___ | 100' Bag | 3/16" | .109" | .039" | 10 | 800 PSI | .88 | 7/16" | PI, C |
| 1B-281-___ | 500' Reel | | | | | | | | |
| 1A-281-___ | 2000' Reel | | | | | | | | |
| 1J-282-___ | 100' Bag | 1/4" | .150" | .050" | 01 10 | 800 PSI | 1.51 | 9/16" | PI, C |
| 1B-282-___ | 500' Reel | | | | | | | | |
| 1A-282-___ | 1000' Reel | | | | | | | | |
| 1J-283-___ | 100' Bag | 3/8" | .225" | .075" | 10 | 800 PSI | 3.39 | 1" | PI, C |
| 1A-283-___ | 500' Reel | | | | | | | | |
| 1A-284-___ | 250' Reel | 1/2" | .350" | .075" | 10 | 530 PSI | 4.81 | 2" | PI, C |
| 1AA-284-___ | 500' Reel | | | | | | | | |

**Variations Available:** Coiling • Colors • Cutting • Printing • Packaging • Sizes

Super Soft Nylon

## Super Soft Nylon 11

| Part Number & Color Code | Packaging Unit Size | OD | ID | Wall | Standard Colors | Working Pressure 75°F/25°C | Working Pressure 150°F/65°C | lbs./ 100' | Bend Radius | Fitting |
|---|---|---|---|---|---|---|---|---|---|---|
| 1J-260-___ | 100' Bag | 1/8" | .093" | .016" | 01 10 | 200 PSI | 120 PSI | .25 | 9/16" | PI, C |
| 1C-260-___ | 500' Reel | | | | | | | | | |
| 1B-260-___ | 1000' Reel | | | | | | | | | |
| 1A-260-___ | 2500' Reel | | | | | | | | | |
| 1J-261-___ | 100' Bag | 5/32" | .106" | .025" | 01 10 | 220 PSI | 130 PSI | .45 | 9/16" | PI, C |
| 1C-261-___ | 500' Reel | | | | | | | | | |
| 1B-261-___ | 1000' Reel | | | | | | | | | |
| 1A-261-___ | 2500' Reel | | | | | | | | | |
| 1J-264-___ | 100' Bag | 1/4" | .180" | .035" | 01 10 | 180 PSI | 110 PSI | 1.04 | 1" | PI, C |
| 1B-264-___ | 500' Reel | | | | | | | | | |
| 1A-264-___ | 1000' Reel | | | | | | | | | |
| 1J-265-___ | 100' Bag | 5/16" | .232" | .040" | 01 10 | 170 PSI | 100 PSI | 1.52 | 1-1/4" | PI, C |
| 1A-265-___ | 500' Reel | | | | | | | | | |
| 1J-266-___ | 100' Bag | 3/8" | .275" | .050" | 01 10 | 160 PSI | 90 PSI | 2.26 | 1-5/8" | PI, C |
| 1A-266-___ | 500' Reel | | | | | | | | | |
| 1J-267-___ | 100' Bag | 1/2" | 3/8" | .062" | 01 10 | 140 PSI | 80 PSI | 3.80 | 2-1/2" | PI, C |
| 1AA-267-___ | 500' Reel | | | | | | | | | |

**Metric Sizes**

| Part Number & Color Code | Packaging Unit Size | OD mm | ID mm | Wall mm | Standard Colors | Working Pressure 75°F/25°C | Working Pressure 150°F/65°C | lbs./ 100' | Bend Radius | Fitting |
|---|---|---|---|---|---|---|---|---|---|---|
| 1J-271-___ | 100' Bag | 5 | 3 | 1 | 10 | 310 PSI | 180 PSI | .95 | 12.7 | PI, C |
| 1B-271-___ | 500' Reel | | | | | | | | | |
| 1A-271-___ | 1000' Reel | | | | | | | | | |
| 1J-272-___ | 100' Bag | 6 | 4 | 1 | 01 10 | 240 PSI | 140 PSI | 1.10 | 19.0 | PI, C |
| 1B-272-___ | 500' Reel | | | | | | | | | |
| 1A-272-___ | 1000' Reel | | | | | | | | | |
| 1J-273-___ | 100' Bag | 8 | 6 | 1 | 01 10 | 160 PSI | 100 PSI | 1.70 | 23.8 | PI, C |
| 1A-273-___ | 500' Reel | | | | | | | | | |
| 1J-274-___ | 100' Bag | 10 | 8 | 1 | 01 10 | 120 PSI | 70 PSI | 2.20 | 28.6 | PI, C |
| 1A-274-___ | 500' Reel | | | | | | | | | |
| 1J-275-___ | 100' Bag | 12 | 10 | 1 | 01 10 | 90 PSI | 50 PSI | 2.80 | 38.0 | PI, C |
| 1AA-275-___ | 500' Reel | | | | | | | | | |

**Variations Available:** Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes

# Resource Guide—Chemical Resistance Chart

This information was provided to Freelin-Wade by our suppliers and other sources. It is to be used only as a general reference guide to aid in the selection of products in which chemical and material compatibility issues are a factor. This guide is not intended as a complete nor conclusive database. Freelin-Wade does not guarantee these ratings since the resistance of a material can be greatly affected by the temperature, consistency, and presence of other chemicals. Ultimately, the consumer must determine the chemical compatibility of an item based on the conditions in which the product is being used.

## Rating Scale

1= Little or no impact
2= Minor effect
3= Moderate effect
4= Severe effect

| | PUR | PE | PVC | Nylon | Kynar |
|---|---|---|---|---|---|
| Acetic Acid, Glacial | 4 | 2 | 4 | - | 1 |
| Acetic Acid, 30% | 4 | 1 | 4 | 2 | 1 |
| Acetone | 4 | 2 | 4 | 1 | 4 |
| Acetylene | 1 | 4 | 1 | 1 | 1 |
| Alkazene | 4 | - | - | - | - |
| Aluminum Chloride (aq) | 3 | 2 | 1 | - | 1 |
| Aluminum Nitrate (aq) | 3 | - | 2 | - | 1 |
| Ammonia Anhydrous | 4 | 2 | 1 | - | 4 |
| Ammonia Gas (cold) | 3 | - | 3 | 1 | 4 |
| Ammonia Gas (hot) | 4 | - | - | 1 | 4 |
| Ammonium Chloride (aq) 40% | 2 | 1 | 1 | - | 1 |
| Ammonium Sulfate (aq) | 1 | 1 | 1 | 1 | 1 |
| Amyl Alcohol | 4 | 2 | 1 | - | 1 |
| Amyl Naphthalene | 4 | - | - | - | - |
| Animal Fats | 1 | - | - | - | - |
| Aqua Regia | 4 | 2 | 3 | - | - |
| Arsenic Acid | 3 | 2 | 1 | - | 1 |
| Asphalt | 2 | 1 | 1 | - | 1 |
| ASTM Fuel A | 2 | - | - | - | - |
| ASTM Fuel B | 3 | - | - | - | - |
| ASTM Fuel C | 3 | 1 | 4 | - | - |
| Barium Chloride (aq) | 1 | 2 | 1 | 1 | 1 |
| Beer | 2 | 2 | 1 | 1 | 1 |
| Beet Sugar Liquors | 4 | 1 | 1 | - | 1 |
| Benzene | 3 | 4 | 3 | 1 | 1 |
| Benzine | 2 | - | - | - | - |
| Blast Furnace Gas | 4 | - | - | - | - |
| Bleach Solutions | 4 | 1 | 1 | - | 1 |
| Borax | 1 | 1 | 1 | - | 1 |
| Boric Acid | 1 | 1 | 1 | - | 1 |
| Brake Fluid | 4 | - | - | - | 1 |
| Brine | 2 | - | 3 | - | 1 |
| Bromine Water | 4 | - | 3 | 4 | 1 |
| Bunker Oil | 2 | - | - | - | - |
| Butane | 1 | 3 | 3 | 1 | 1 |
| Butter | 1 | - | - | - | - |
| Butyl Alcohol (Butanol) | 3 | 1 | 3 | 1 | 1 |
| Butylene | 4 | 1 | 1 | - | 1 |
| Calcium Chloride (aq) | 1 | 1 | 3 | 1 | 1 |
| Calcium Hydroxide (aq) | 2 | 1 | 2 | - | 1 |
| Calcium Nitrate (aq) | 1 | - | 1 | 1 | 1 |
| Calcium Sulfide (aq) | 1 | - | - | - | - |
| Cane Sugar Liquors | 4 | - | 1 | - | 1 |
| Carbolic Acid | 3 | 4 | 3 | - | - |
| Carbon Dioxide | 1 | 2 | 1 | - | 1 |
| Carbonic Acid | 4 | 2 | 1 | - | 1 |
| Carbon Monoxide | 1 | 2 | 1 | - | 1 |
| Carbon Tetrachloride | 4 | 4 | 4 | 3 | 1 |
| Castor Oil | 1 | 1 | 1 | - | 1 |
| Chlorine (dry) | 4 | 3 | 4 | 4 | 1 |
| Chlorine (wet) | 4 | 3 | - | 4 | 1 |
| Chloroform | 4 | 4 | 4 | 3 | 1 |
| Chlorox | 4 | - | - | - | - |
| Chromic Acid 50% | 4 | 1 | 4 | 4 | 1 |
| Citric Acid | 1 | 1 | 2 | 1 | 1 |
| Coal Tar (Creosote) | 3 | - | - | - | - |
| Coconut Oil | 2 | 1 | 1 | - | 1 |
| Cod Liver Oil | 1 | 1 | 1 | - | - |
| Coke Oven Gas | 4 | - | - | - | - |
| Copper Chloride (aq) | 1 | 2 | 1 | - | 1 |
| Copper Cyanide (aq) | 1 | 2 | 1 | - | 1 |
| Corn Oil | 1 | 1 | 2 | - | 1 |
| Cotton Seed Oil | 1 | 1 | 2 | - | 1 |
| Creosol (Methyl Phenol) | 4 | 4 | 4 | 4 | 1 |
| Cychlohexane | 1 | 4 | 4 | 1 | 1 |
| Denatured Alcohol | 4 | - | - | - | - |
| Detergent Solution | 3 | 1 | 1 | - | - |
| Diesel Oil | 2 | 3 | 1 | - | - |
| Dioxane | 4 | 3 | - | - | 4 |
| Dowtherm Oil | 3 | - | - | - | - |
| Dry Cleaning Fluids | 4 | - | - | - | - |
| Ethane | 1 | - | 1 | - | - |
| Ethyl Acrylate | 4 | - | - | - | 1 |
| Ethyl Alcohol (Ethanol) | 4 | 2 | 3 | 3 | 1 |
| Ethyl Benzine | 4 | - | - | - | - |
| Ethyl Cellulose | 2 | - | - | - | - |
| Ethyl Chloride | 4 | 4 | 4 | - | 1 |
| Ethyl Ether | 3 | 4 | 4 | - | 1 |
| Ethylene Chloride | 4 | 4 | 4 | - | - |
| Ethylene Glycol[5] (Anti-Freeze) | 2 | 1 | 1 | 1 | 1 |
| Ethylene Oxide | 4 | 3 | 3 | 1 | 1 |
| Ethylene Trichloride | 4 | 4 | - | - | - |
| Ferric Chloride (aq) | 1 | 2 | 1 | - | 1 |
| Ferric Nitrate (aq) | 1 | 2 | 1 | - | 1 |
| Ferric Sulfate (aq) | 2 | 1 | 1 | - | 1 |
| Fluroine (Liquid) | 4 | 3 | 4 | 4 | 1 |
| Formaldehyde (RT) | 4 | 2 | 1 | 1 | 1 |
| Formic Acid | 4 | 2 | 1 | 4 | 1 |
| Freon 11 | 4 | 3 | 1 | - | - |
| Freon 12 | 1 | 1 | 1 | 1 | - |
| Freon 22 | 4 | - | 1 | 1 | - |
| Fuel Oil (Bunker 'C') | 2 | 3 | 1 | - | 1 |
| Gasoline (100 Octane, High Test) | 3 | 4 | 3 | 1 | 1 |
| Glue | 1 | 1 | 3 | - | 1 |
| Glycerin (Glycerol) | 1 | 1 | 1 | 1 | 1 |
| Glycols | 4 | - | - | 1 | - |
| Green Sulfate Liquor | 1 | - | - | - | - |
| Hexane | 2 | 4[1] | 2[2] | - | 1 |
| Hydraulic Oil | 1 | 1-3 | 1 | - | - |
| Hydrochloric Acid (cold) 37% | 4 | 2 | 2 | 4 | 1 |
| Hydrochloric Acid (hot) 37% | 4 | - | - | 4 | 1 |
| Hydrofluroic Acid (Conc.) (cold) | 4 | 2 | - | - | 1 |
| Hydrofluroic Acid (Conc.) (hot) | 4 | - | - | - | 1 |
| Hydrogen Gas | 1 | 1 | 1 | 1 | 1 |
| Isobutyl Alcohol | 3 | 1 | - | - | 1 |
| Isooctane | 2 | 3 | 1 | - | 1 |
| Isopropyl Acetate | 4 | 3 | 4 | - | - |
| Isopropyl Alcohol (Isopropanol) | 3 | 1 | - | 1 | 1 |
| Isopropyl Ether | 2 | 1 | 2 | - | 1 |
| Kerosene | 1 | 4 | 2 | 1 | 1 |

| | PUR | PE | PVC | Nylon | Kynar |
|---|---|---|---|---|---|
| Lacquers | 4 | 1 | 4 | - | - |
| Lacquer Solvents | 4 | 1 | 3 | - | - |
| Lard | 1 | 1 | 1 | - | 1 |
| Lavender Oil | 4 | - | - | - | - |
| Lead Acetate (aq) | 4 | 1 | 1 | - | 1 |
| Linseed Oil | 2 | 3 | 1 | 1 | 1 |
| Liquified Petroleum Gas | 1 | - | - | 1 | - |
| Lubricating Oils | 1-2[3] | 4 | 2 | 1 | 1 |
| Lye | 4 | 1-4[4] | 1-2 | - | - |
| Magnesium Chloride (aq) | 1 | 2 | 1 | 1 | 1 |
| Magnesium Hydroxide (aq) | 4 | 2 | 1 | - | 1 |
| Mercury | 1 | 1 | 1 | 1 | 1 |
| Methane | 3 | - | 2 | 1 | 1 |
| Methyl Acetate | 4 | 2 | 4 | 1 | 1 |
| Methyl Acrylate | 4 | - | - | - | 1 |
| Methyl Alcohol (Methanol) | 4 | 1 | 1 | 1 | 1 |
| Methyl Butyl Ketone | 4 | - | 1 | - | - |
| Methyl Chloride | 4 | 4 | 4 | 1 | 1 |
| Methylene Chloride | 4 | 4 | 4 | - | 1 |
| Methyl Ethyl Ketone | 4 | 2 | 4 | 1 | 4 |
| Methyl Isobutyl Ketone | 4 | 3 | 4 | 1 | 4 |
| Milk | 4 | 1 | 1 | 1 | 1 |
| Mineral Oil | 1 | 3 | 1 | 1 | 1 |
| Motor Oil 20W, 10W40 | 2 | 3 | 2 | 1 | 1 |
| Naphtha (Lighter Fluid) | 2 | 4 | 1 | 1 | 1 |
| Naphthalene (Moth Repellent) | 2 | 2 | 4 | 1 | 1 |
| Natural Gas | 2 | - | 1 | - | 1 |
| Neatsfoot Oil | 1 | - | - | - | - |
| Nitric Acid 70% | 4 | 2 | - | 4 | 1 |
| Nitric Acid (Dilute) 10% | 3 | 2 | 1 | 4 | 1 |
| Nitroethane | 4 | - | - | - | 1 |
| N-Octane | 4 | 1 | - | - | 1 |
| Oleic Acid | 2 | 1 | 3 | 1 | 1 |
| Oleum Spirits | 3 | 4 | 4 | - | 4 |
| Olive Oil | 1 | 1 | - | - | 1 |
| Oxygen (cold) | 1 | - | - | 1 | 1 |
| Oxygen (200-400F) | 4 | - | - | - | - |
| Paint Thinner, Duco | 4 | - | - | - | - |
| Perchloric Acid | 4 | 1 | 3 | - | 1 |
| Perchloroethylene | 4 | 4 | 3 | 3 | 1 |
| Petroleum - Below 250F | 2 | 3 | - | - | 1 |
| Petroleum - Above 250F | 4 | - | - | 4 | - |
| Phenol (Carbolic Acid) | 3 | 2 | 3-4 | 4 | 1 |
| Phenyl Ethyl Ether | 4 | - | - | - | - |
| Phosphoric Acid - 45% | 4 | 1 | 2 | 2 | 1 |
| Pickling Solution | 4 | - | - | - | - |
| Picric Acid | 2 | 1 | 4 | 3 | 1 |
| Potassium Acetate (aq) | 4 | - | - | - | 1 |
| Potassium Chloride (aq) | 1 | 2 | 1 | - | 1 |
| Potassium Cyanide (aq) | 1 | 2 | 1 | - | 1 |
| Potassium Hydroxide (aq) | 4 | 1 | 1 | 3 | 4 |
| Producer Gas | 1 | 1 | 1 | - | - |
| Propane | 1 | 4 | 1 | 1 | 1 |
| Propyl Alcohol (Propanol) | 4 | 1 | 1 | - | 1 |
| Propylene | 4 | - | 2 | - | - |
| Propylene Glycol (Anti-Freeze) | 3 | 1 | 3 | 2 | 1 |
| Propylene Oxide | 4 | 2 | - | - | 4 |
| Pydraul, 10E, 29 ELT | 4 | - | - | - | - |
| Pydraul 30E, 50E, 65E | 4 | - | - | - | - |
| Pydraul, 115E | 4 | - | - | - | - |
| Pydraul 230E, 312C, 540C | 4 | - | - | - | - |
| Rapeseed Oil | 2 | 4 | - | - | - |
| RJ-1 (MIL-F-23338 B) | 1 | - | - | - | - |
| RP-1 (MIL-F-25576 C) | 1 | - | - | - | - |
| Salt Water | 2 | 1 | 1 | 1 | 1 |
| Sewage | 1 | - | - | - | 1 |
| Silicate Esters | 1 | - | - | - | - |
| Silicone Oils | 1 | 1 | 1 | - | 1 |
| Silver Nitrate | 1 | 1 | 1 | - | 1 |
| Skydrol 500 | 4 | - | - | - | - |
| Skydrol 700 | 4 | - | - | - | - |
| Soap Solutions | 3 | 4 | 1 | 1 | - |
| Sodium Chloride (aq) | 1 | 1 | 1 | 1 | - |
| Sodium Hydroxide (aq) | 4 | 1 | 1 | 2 | 4 |
| Sodium Peroxide (aq) | 4 | 1 | 2 | - | 1 |
| Sodium Phosphate (aq) | 1 | - | - | - | 1 |
| Sodium Sulfate (aq) | 1 | 1 | 1 | - | - |
| Soy Bean Oil | 2 | 1 | 1 | - | 1 |
| Stoddard Solvent | 1 | 3 | 3 | - | - |
| Styrene (Monomer) | 4 | - | 4 | 1 | 1 |
| Sucrose Solution | 4 | 2 | - | - | - |
| Sulfuric Acid (Dilute Battery Acid) | 3 | 1 | 1 | - | 1 |
| Sulfuric Acid (Conc) | 4 | 2 | 4 | - | 1 |
| Sulfuric Acid (20% Oleum) | 4 | - | 4 | - | 4 |
| Sulfurous Acid | 4 | 2 | 1 | - | - |
| Tannic Acid | 4 | 1 | 1 | - | 1 |
| Tetrochlorethylene | 4 | 2 | 4 | - | - |
| Toluene (Toluol) | 4 | 3 | 4 | 1 | 1 |
| Transformer Oil | 2 | - | 2 | - | - |
| Transmission Fluid Type A | 2 | - | - | - | - |
| Trichloroethane | 4 | 4 | 3 | 3 | 1 |
| Trichloroethylene | 4 | 4 | 4 | 3 | 1 |
| Turbine Oil | 1 | 3 | 1 | 1 | - |
| Turpentine | 4 | 4 | 4 | 1 | 1 |
| Varnish | 3 | 3 | 4 | - | 1 |
| Vinegar | 2 | 1 | 1 | 1 | 1 |
| Vinyl Chloride | 4 | 4 | 4 | - | 1 |
| Water | 1 | 1 | 1 | 1 | 1 |
| Whiskey, Wines | 2 | 1 | 1 | 1 | 1 |
| White Oil | 1 | - | - | - | - |
| Wood Oil | 3 | - | - | - | - |
| Xylene | 4 | 4 | 4 | 1 | 1 |
| Zinc Acetate (aq) | 4 | - | - | - | 1 |
| Zinc Chloride (aq) | 2 | 1 | 1 | 1 | 1 |

**1** Petroleum Base **2** Synthetic Base =1, Petroleum Base = 3
**3** SAE 10, 20, 30, 40, 50 = 1, Petroeum = 2
**4** Calcium Hydroxide & Potassium (Hydroxide=1, Sodium Hydroxide=4) **5** See Propylene Glycol **6** See Ethylene Glycol