



Meters & Accessories

Liquid Reference Tables

**LIQUID
CONTROLS**
A Unit of IDEX Corporation

IDEX
IDEX CORPORATION



Table of Contents

| <u>Liquid to be Metered</u> | <u>Page Number</u> |
|-------------------------------------|--------------------|
| 2-3 Eptm-Ammonium-Chloride | 3 |
| Adva-Flow | 4 |
| Amine | 5 |
| Aniline | 6 |
| Atrazine-Herbicide | 7 |
| Biodiesel-B100 | 8 |
| Butyl-Methacrylate-(N-Butyl) | 9 |
| Cattle-Feed | 10 |
| Clay-Slurry | 11 |
| Corn Syrup-ISOSweet-5500 | 12 |
| Diammonium-Phosphate-Aqueous | 13 |
| Dimethyl-Ether | 14 |
| Epoxy-Resin-Mix (See Notes) | 15 |
| Ethylene-Vinyl-Acetate | 16 |
| Formation-Water | 17 |
| Gasoline-Unleaded | 18 |
| Ink - Roto-Gravure | 19 |
| Kerosene-K1 | 20 |
| Lube Oil | 21 |
| Methyl-Alcohol | 22 |
| Molasses | 23 |
| Nitrogen-Solutions-Straight | 24 |
| Ortho-Nitro-Chlorobenzene | 25 |
| Petroleum-Spirits | 26 |
| Polyester-Surface-Coating | 27 |
| Press-Cleaning-Solvent | 28 |
| Refrigerant-152a | 29 |
| Silicone-Oil | 30 |
| Sodium-Sulfide-Aqueous | 31 |
| Superseal-30 | 32 |
| Toluene-Diisocyanate | 33 |
| Urea-25% with 75% Organic-Dye | 34 |
| Water-Boiler-Feed | 35 |

Consult factory for material class recommendations of liquids not listed here.

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|----|----|---------------------------|--------|-------|------------------|------------|--------|--------------------|---|
| | 7 | 8 | | BUNA | TEFLON | VITON | | | | | |
| 2-3-EPTM-AMMONIUM-CHLORIDE | | | | Y | | | | | | | 2,3-EPOXYPROPYL-TRIMETHYLAMMONIUM CHLORIDE CLASS 8 USE NON-PLATED SS ROTOR SLEEVES USE STEEL CASE AND/OR CAST IRON FOR FIRE APPROVAL SAME AS OCTYL ALCOHOL/OCTANOL |
| 2-ETHYL-HEXANOL | 16 | 7 | 8 | | Y | Y | 0.83 | 6.27 | 45 | | |
| 3-CHLORO-2-HPTM-AMM-CHLORIDE | 7 | 8 | | Y | Y | | | | | | 3-CHLORO-2-HYDROXYPROPYL-TRIMETHYLAMMONIUM CHLORIDE CLASS 8 USE NON-PLATED SS ROTOR SLEEVES |
| AATREX-HERBICIDE | 30 | 15 | 27 | 8 | Y | Y | 1.19 | N/A | N/A | N/A | HERBICIDE M-5 USE CLASS 30...MAX.25 GPM M-7 AND M-15 USE CLASS 15,M-7 MAX. 60 GPM M-15 MAX. 90 GPM CL 8 USE TEFLON BEARING INSERTS DERIVED FROM COAL TAR ABBREVIATION IS ACN ALSO KNOWN AS ETHYLENE NAPHTHALENE ALUMINUM RATED GOOD ALSO CALLED ACETIC ALDEHYDE ALUMINUM RATED GOOD |
| ACENAPHTHENE | 14 | 37 | 8 | | Y | Y | 1.2 | | | | |
| ACETALDEHYDE | 16 | 7 | 8 | | Y | | 0.783 | N/A | N/A | N/A | |
| ACETATE | 16 | 7 | 8 | | Y | | 0.9 | 0.49 | N/A | 0.0008 | |
| ACETATE-AMYL | 16 | 7 | 8 | | Y | | 0.88 | N/A | N/A | 0.0006 | |
| ACETATE-BUTYL | 16 | 7 | 20 | 8 | Y | | 0.875 | N/A | N/A | 0.0006 | |
| ACETATE-ETHYL | 16 | 7 | 20 | 8 | Y | | 0.865 | N/A | N/A | 0.0007 | |
| ACETATE-ISO-BUTYL | 16 | 7 | 8 | | Y | | 0.86 | N/A | N/A | 0.0007 | |
| ACETIC-ACID | 8 | | | | Y | | 1.05 | 1 | 32 | N/A | |
| ACETIC-ACID-&HYDRONATE-LIME | 8 | | | | Y | | 1.05 | 1 | 32 | N/A | |
| ACETIC-ACID-(ANHYDROUS) | 8 | | | | Y | | 1.055 | 1 | 32 | N/A | 25% - 50% ACETIC ACID & 50% - 75% WATER |
| ACETIC-ACID-(AQUEOUS) | 8 | | | | Y | | 1.05 | 1 | 32 | N/A | ALL 316 SS WILL CORRODE IF SMALL AMOUNT OF ACETIC ANHYDRIDE IS PRESENT |
| ACETIC-ACID--120-GRAIN | 8 | | | | Y | | 1.055 | 1 | 32 | N/A | IRON NO GOOD IN ANY CONCENTRATION |
| ACETIC-ACID-82-99%-PURE | 8 | | | | Y | | 1.0492 | N/A | N/A | N/A | |
| ACETIC-ACID-GLACIAL | 8 | | | | Y | | 1.05 | 1 | 32 | N/A | |
| ACETIC-ANHYDRIDE | 8 | | | | Y | | 1.083 | 1 | 30 | N/A | |
| ACETOCHLOR | 15 | 30 | 27 | 8 | N | Y | 1.1 | | | | ACETAMINE COMPOUND USED AS A SELECTIVE PREPLANT AND PREEMERGENCE HERBICIDE. pH: 8.0 HIGHLY TOXIC. OPERATION AT UP TO 80% RATED CAPACITY IS RECOMMENDED |
| ACETONE | 16 | 7 | 20 | 8 | | Y | 0.8 | 1 | 30 | 0.0008 | TRADE NAMES: ACENT, GUARDIA, HARNESS RELAY, SACEMID, SURPAS TOP-HAND, TROPHY, AND WINNER. |
| ACETONE-(ANHYDROUS) | 16 | 7 | 20 | 8 | | Y | 1.359 | 1 | 30 | 0.0008 | CLASS 20 USE STAINLESS STEEL TIMING GEARS DO NOT USE BUNA OR VITON SEALS |
| ACETONE-(AQUEOUS) | 16 | 7 | 20 | 8 | | Y | 0.8 | 1 | 30 | 0.0008 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ACETYL-CHLORIDE | 7 | 8 | | | Y | | 1.1051 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ACROLEIN | 16 | 7 | | | Y | Y | 0.84 | N/A | N/A | N/A | PH-6 (10% SOLUTION) |
| ACRYLIC-ACID | 4 | 8 | | | Y | Y | 1.052 | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| ACRYLIC-ADHESIVES | 15 | 27 | | | Y | Y | 1.052 | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| ACRYLIC-EMULSION | 15 | 27 | | | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 MAY ALSO BE USED |
| ACRYLIC-ESTER | 14 | 37 | | | Y | Y | N/A | N/A | N/A | N/A | |
| ACRYLIC-RESIN | 15 | 27 | | | Y | Y | N/A | N/A | N/A | N/A | |
| ACRYLOID-(CELLOSOLVE-ACETATE) | 7 | 8 | | | Y | Y | 0.97 | 1 | 30 | 0.0005 | |
| ACRYLONITRILE | 15 | 8 | | | Y | | 0.8 | 20 | 100 | N/A | TEFLON SEALS, NO PLASTIC, IRON, STEEL OR NI-RESIST AVOID DISSIMILAR METALS CLASS 8 W/ TEFLON INSERTS |
| AD-HERE-SL | 27 | 8 | | | Y | Y | 0.977 | 775 | 3750 | | CLASS 8 USE TEFLON INSERTS pH-11 (DO NOT USE ALUMINUM) |
| ADHESIVE-(ALKALINE) | 27 | 8 | | | Y | Y | N/A | N/A | N/A | N/A | LIQUID ANTI-STRIP (FATTY ACID AMIDAMINE) |
| ADHESIVE-(TOLUENE-&RUBBER) | 14 | 37 | | | Y | Y | N/A | 74000 | 360000 | N/A | CLASS 8 W/TEFLON INSERTS |
| ADHESIVES-(NEUTRAL-PH) | 15 | 27 | | | Y | Y | N/A | N/A | N/A | N/A | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|----|---------------------------|----|----|------------------|------------|-------|--------------------|---|
| | 8 | 16 | 20 | 27 | 37 | | | | | |
| ADVA-FLOW | | | | | | 1.05 | | | | CONCRETE ADDITIVE PH 4-7 AND CONTAINS AMINES AND ACIDS DO NOT USE WITH CARBON STEEL !! |
| AIR-(LIQUID-CRYOGENIC) | NR | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| ALCOHOL | 16 | 7 | 20 | 8 | | N/A | N/A | N/A | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALCOHOL---BEER-INDUSTRY | 20 | 8 | | | | N/A | N/A | N/A | N/A | CLASS 20 USE STAINLESS TIMING GEARS |
| ALCOHOL---HIGH-MOLE.-WEIGHT | NR | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED 480 DEG F |
| ALCOHOL-(ANHYDROUS-(NO-WATER)) | 20 | 8 | | | Y | 0.816 | N/A | N/A | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALCOHOL-ANHYDROUS-200-PROOF | 20 | 8 | | | Y | N/A | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALCOHOL-ANHYDROUS-MOTOR-GRADE | 16 | 7 | 20 | 8 | Y | N/A | N/A | N/A | N/A | NO PLASTIC GEARS 200 PROOF FOR USE IN GASOHOL - DO NOT USE PLASTIC GEARS |
| ALCOHOL-BUTYL | 16 | 7 | 20 | 8 | Y | 0.81 | N/A | N/A | 0.0005 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALCOHOL-C-10-(CHIP TAC) | 16 | 7 | 20 | 8 | Y | 0.873 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALCOHOL-DENATURED | 16 | 7 | 20 | 8 | Y | 0.816 | N/A | N/A | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALCOHOL-HEXYL | 16 | 7 | 20 | 8 | Y | 0.8186 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALIMET-(METHIONINE-HYDROXY-ANA | 8 | | | | Y | 1.223 | N/A | 600 | 0.0037 | ALL SPECS @ 68F PH-1 USE 316SS SLEEVES, NOT CHROME EST. COR. RATE= .0003"-.0006"/YR. |
| | | | | | | | | | | VISCOSITY @32F=2900SSU @68F=600SSU |
| | | | | | | | | | | PRODUCT=LIQUID ANIMAL FEED SUPPLEMENT |
| ALIPHATIC-THIOL-MERCAPTAN | 7 | 8 | | | Y | N/A | N/A | N/A | N/A | CAUTION! FLAMMABLE. TOXIC WHEN INHALED TERM MERCAPTAN NOW OBSOLETE REPLACED BY THIOL |
| ALKALI-SOLUTION | 7 | 8 | | | Y | N/A | N/A | N/A | N/A | |
| ALKALINE-CLEANERS | 7 | 8 | | | Y | N/A | N/A | N/A | N/A | STICKY, AIR DRIES |
| ALKALINE-POLYMER---LIGHT | 15 | 27 | | | Y | N/A | N/A | N/A | N/A | |
| ALKYD-OIL-BASE-XYLENE-SOLVENT | 14 | 37 | 8 | | Y | N/A | N/A | N/A | N/A | |
| ALKYD-RESIN-(W/PHTHALIC-ACID) | 8 | | | | Y | | | 17130 | | CARBON BEARING PLATE INSERTS VISC. 12760-21500 SSU (17130 AVG.) IN CLASS 8 USE TEFLON INSERTS |
| ALKYD-RESIN-(WATER-BASE) | 15 | 27 | 8 | | Y | N/A | N/A | N/A | N/A | |
| ALKYD-RESINS | 14 | 37 | 8 | | Y | N/A | 10000 | 50000 | N/A | USE CARBON INSERT BEARING PLATES ALSO CALLED A.P.G. |
| ALKYL-PHENOL-POLYGLYCOL-ETHER | 7 | 8 | | | Y | | 400 | 1950 | | DE-RATE TO 55% WITH CARBON BEARINGS |
| ALKYL-POLYGLYOSIDES | 8 | | | | Y | | 10000 | 46500 | | DE-RATE TO 38% WITH TEFLON BEARINGS DETERGENT |
| ALKYL-SULFONATE.LINEAR | 8 | | | | Y | N/A | N/A | N/A | N/A | FORM OF BENZENE, ALKYL DERIVATIVES SS UP TO 167 F IS EXCELLENT |
| ALKYLATE-225 | 16 | 7 | 20 | 8 | Y | 0.835 | N/A | 33 | | |
| | | | | | | | | | | CL 20 USE SS GEARS |
| ALKYLATE-ESTER | 8 | | | | Y | N/A | N/A | N/A | N/A | |
| ALLYL-ALCOHOL | 16 | 7 | 20 | 8 | Y | 0.852 | N/A | N/A | 0.0006 | AVOID DISSIMILAR METALS CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALUMINUM-CHLORIDE-(ANHYDROUS) | NR | | | | | 2.44 | N/A | N/A | N/A | NOT RECOMMENDED |
| ALUMINUM-CHLORIDE-HYDRATE | NR | | | | | 2.4 | N/A | N/A | N/A | AQUEOUS NOT RECOMMENDED |
| ALUMINUM-CHLOROXYDRATE | 8 | | | | Y | N/A | N/A | N/A | N/A | |
| ALUMINUM-HYDROXIDE | 16 | 7 | 20 | 8 | Y | 2.42 | N/A | N/A | N/A | CLASS 16 UP TO 10% SOLUTIONS ONLY *SAME AS: ALUMINA TRIHYDRATE |
| | | | | | | | | | | CLASS 7 UP TO 30% SOLUTIONS ONLY |
| | | | | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| ALUMINUM-NITRATE-SOLUTION | 15 | 8 | | | Y | N/A | N/A | N/A | N/A | OVER 10% SOLUTIONS ...CONSULT FACTORY UP TO 30% CONCENTRATION UP TO |
| ALUMINUM-SULFATE-50%-AL2(SO4) | 15 | 8 | | | Y | 2.71 | N/A | N/A | N/A | 70 F ALUMINUM GOOD. UP TO 50% CONCENTRATION UP TO |
| | | | | | | | | | | 167 F STAINLESS STEEL EXCELLENT?? TEMPERATURE RANGE 70 TO 180F |
| AMBITROL | 16 | 7 | | | Y | N/A | N/A | N/A | N/A | TM FOR COOLANTS USED IN STATIONARY INDUSTRIAL ENGINES |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|----|---------------------------|------|--------|------------------|------------|-----|--------------------|---|
| | 8 | 27 | 8 | BUNA | TEFLON | | | | | |
| AMINE | 8 | | | | Y | 0.933 | N/A | N/A | N/A | A CLASS OF ORGANIC COMPOUNDS OF NITROGEN THAT MAY BE CONSIDERED AS DERIVED FROM AMMONIA (NH3) BY REPLACING ONE OR MORE OF THE HYDROGEN ATOMS WITH ALKYL GROUPS. AVOID DISSIMILAR METALS |
| AMINES | 8 | | | | Y | N/A | N/A | N/A | N/A | A CLASS OF ORGANIC COMPOUNDS OF NITROGEN THAT MAY BE CONSIDERED AS DERIVED FROM AMMONIA (NH3) BY REPLACING ONE OR MORE OF THE HYDROGEN ATOMS WITH ALKYL GROUPS. AVOID DISSIMILAR METALS |
| AMINES-WITH-RANEY-NICKEL-1-2% | NR | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| AMINO BENZENE | 8 | 47 | | | Y | 1.022 | 4 | 38 | N/A | ** SEE ANILINE INFORMATION ** |
| AMINOETHANE-(ETHYLAMINE) | 7 | 4 | 8 | | Y | 0.689 | N/A | N/A | N/A | TECHNICAL GRADE - ANHYDROUS & 70% AQUEOUS PURE - 98.5% MINIMUM |
| | | | | | | | | | | AVOID DISSIMILAR METALS |
| | | | | | | | | | | ALSO SEE MONOETHYLAMINE |
| AMMONIA | 15 | 30 | 27 | 8 | Y | N/A | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS AQUEOUS SOLUTIONS UP TO 32% |
| AMMONIA-(ANHYDROUS)-60-225-PSI | 12 | | | | Y | 0.77 | N/A | N/A | 0.0013 | CLASS 8 WITH TEFLON INSERT BEARINGS CONSULT FACTORY FOR PRICING |
| | | | | | | | | | | HARD CHROME ROTOR SLEEVES & HARD CARBON BEARINGS |
| AMMONIA-(ANHYDROUS)-NH3 | 12 | | | | Y | 0.7402 | N/A | N/A | 0.0013 | "SEALS-OTHER" ETHYLENE PROPYLENE (EP, EPDM) CONSULT FACTORY FOR PRICING |
| | | | | | | | | | | HARD CHROME ROTOR SLEEVES & HARD CARBON BEARINGS |
| AMMONIA-18-24%-SOLUTION | 15 | 30 | 27 | 8 | Y | N/A | N/A | N/A | N/A | "SEALS-OTHER" NEOPRENE (CHLOROPRENE) "SEALS-OTHER" ETHYLENE PROPYLENE (EP, EPDM) |
| AMMONIA-NITRO-SULFUR | 8 | | | | Y | 1.25 | N/A | N/A | N/A | AVOID DISSIMILAR METALS |
| AMMONIUM-CARBONATE-(AQUEOUS) | 7 | 8 | | | Y | N/A | N/A | N/A | N/A | CLASS 8 WITH TEFLON INSERT BEARINGS |
| AMMONIUM-CHLORIDE | 7 | 8 | | | Y | 1.54 | 10 | 50 | N/A | TEFLON BEARING PLATE INSERTS |
| AMMONIUM-HYDROXIDE | 15 | 8 | | | Y | 0.99 | 1 | 30 | N/A | |
| AMMONIUM-NITRATE-(AQUEOUS) | 15 | 8 | | | Y | 1.725 | N/A | N/A | 0.0003 | AVOID DISSIMILAR METALS |
| AMMONIUM-NITRATE-SOLUTION | 15 | 27 | | | Y | 1.73 | N/A | N/A | 0.0003 | CLASS 8 WITH TEFLON INSERT BEARINGS |
| AMMONIUM-PHOSPHATE-DIBASIC | NR | | | | | 1.619 | N/A | N/A | N/A | CLASS 8 WITH TEFLON INSERT BEARINGS |
| AMMONIUM-PHOSPHATE-MONOBASIC | NR | | | | | 1.803 | N/A | N/A | N/A | AVOID DISSIMILAR METALS |
| AMMONIUM-SULFATE-(AQUEOUS) | 8 | | | | Y | 1.77 | N/A | N/A | N/A | NOT RECOMMENDED |
| AMMONIUM-SULFIDE | NR | | | | | N/A | N/A | N/A | N/A | AVOID DISSIMILAR METALS |
| AMMONIUM-SULFITE | NR | | | | | 1.41 | N/A | N/A | N/A | NOT RECOMMENDED |
| AMMONIUM-THIOSULFATE-58% | 8 | | | | Y | 1.32 | N/A | N/A | N/A | PITTING MAY OCCUR UNDER CERTAIN CONDITIONS |
| AMPS-MONOMER | 8 | | | | Y | 1.22 | 6 | | | NOT RECOMMENDED |
| | | | | | | | | | | KODAK FILM DEVELOPING SOLUTION (REPLENISHER) |
| | | | | | | | | | | HYDROPHILIC SULFONIC ACID ACRYLIC MONOMER. |
| | | | | | | | | | | pH: 9.0-9.7 |
| | | | | | | | | | | USED IN WATER TREATMENT, OIL DRILLING, ACRYLIC FIBER, AND COATING/ADHESIVE. |
| AMYL-ACETATE | 16 | 7 | 20 | 8 | Y | 0.879 | N/A | N/A | 0.0006 | GRADES: COMMERCIAL - 85-88%, HIGH TEST 85-88% |
| | | | | | | | | | | TECHNICAL 90-95%, PURE 95-99%, SPECIAL |
| | | | | | | | | | | ANTIBIOTIC GRADE |
| AMYL-ALCOHOL | 16 | 7 | 20 | 8 | Y | 0.817 | N/A | N/A | 0.0005 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| AMYL-CARBINOL-(HEXANOL) | 16 | 7 | 8 | | Y | 0.8186 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|----|---------------------------|--------|-------|------------------|------------|------|--------------------|--|
| | 8 | 47 | BUNA | TEFLON | VITON | | | | | |
| ANILINE | | | | Y | | 1.022 | 4 | 38 | | ** MUST USE TEFLON BASED SEALS ONLY ** INCLUDES TEFLON, GYLON, ARMALON MATERIALS CLASS 47 USE TEFLON/GYLON SEAL OPTIONS DO NOT USE STANDARD VITON (OR BUNA) SEALS CLASS 8 USES TEFLON/GYLON SEALS AS STANDARD PH-H.1 (SLIGHTLY ALKALINE) - HIGHLY TOXIC PRODUCT SAME AS ANILINE OIL, AMINOBENZENE, PHENYLAMINE CONSULT ENGINEERING IF NECESSARY ** SEE ANILINE INFORMATION ** CLASS 8 USE TEFLON INSERT BEARINGS TECHNICAL NAME - ETHYLENE GLYCOL IF CLASS 20 SELECTED CONSULT FACTORY FOR ROTOR SIZE NOT RECOMMENDED NOT SANITARY AMMONIUM HYDROXIDE ALTERNATE NAME AVOID DISSIMILAR METALS CLASS 8 WITH TEFLON INSERT BEARINGS AVOID DISSIMILAR METALS CLASS 8 WITH TEFLON INSERT BEARINGS URETHANE COATING - LIGHT SENSITIVE TEFLON BEARING PLATE INSERTS INCLUDES: METHANOL, TOLUENE, XYLENE & ISO-PROPYL ALCOHOL |
| ANILINE-OIL | 8 | 47 | | Y | | 1.022 | 4 | 38 | | |
| ANIMAL-FAT | 3 | 14 | 8 | Y | Y | N/A | N/A | N/A | N/A | |
| ANT-OIL-(ANHYDROUS) | 3 | 8 | | Y | | 1.1598 | N/A | N/A | N/A | |
| ANTIFREEZE | 1 | 16 | 7 | Y | Y | 0.1 | N/A | N/A | 0.0004 | |
| ANTIMONY-TRICHLORIDE | NR | | | | | 3.14 | N/A | N/A | N/A | |
| APPLE-JUICE | 8 | | | Y | Y | 1.06 | N/A | N/A | N/A | |
| AQUA-AMMONIA | 15 | 30 | 27 | 8 | Y | N/A | N/A | N/A | N/A | |
| AQUA-AMMONIA-29-30% | 15 | 30 | 27 | 8 | Y | N/A | N/A | N/A | N/A | |
| AQUA-REGIA | NR | | | | | N/A | N/A | N/A | N/A | |
| AQUALADE-MONOMER-SEE-NOTES | 8 | | | Y | | N/A | N/A | N/A | N/A | |
| AROMATIC-SOLVENTS-(SEE-NOTES) | 16 | 7 | 8 | | Y | N/A | N/A | N/A | N/A | |
| ARSENIC-ACID-(AQUEOUS) | 8 | | | Y | Y | 2.5 | N/A | N/A | N/A | |
| ARTIC-DIESEL-FUEL-NO.-1 | 1 | 7 | 16 | Y | Y | N/A | N/A | N/A | N/A | |
| ASPHALT | 14 | 37 | 47 | Y | Y | N/A | N/A | N/A | N/A | ALSO KNOWN AS ASPHALTUM, EARTH PITCH, TRINIDAD PITCH, MINERAL PITCH, & PETROLEUM ASPHALT. VISC. VARIES WIDELY WITH TYPE & TEMP. NORMALLY HANDLED IN THE 300 TO 400 F RANGE AT WHICH TEMP. VISC. IS USUALLY IN THE 100 TO 1000 SSU RANGE. |
| ASPHALT-&RESIN | 14 | 37 | 47 | Y | Y | N/A | N/A | N/A | N/A | |
| ASPHALT--BLOWN | 14 | 37 | 47 | Y | Y | N/A | N/A | N/A | N/A | |
| ASPHALT--CUT-BACK | 14 | 37 | 47 | Y | Y | N/A | N/A | N/A | N/A | VISC. VARIABLE, DEPENDING ON DILUTION & TEMP., NORMALLY 100 TO 1000 SSU IN 70 TO 200 F. RANGE. |
| ASPHALT---PENETRANT-GRADE | 14 | 37 | 47 | Y | | N/A | N/A | N/A | N/A | KALREZ SEALS METERING TEMPERATURE 350-500 DEG. F 1475 SSU AT 500 DEG F |
| ASPHALT-180-300-DEG.F | 14 | 37 | 47 | Y | Y | N/A | N/A | N/A | N/A | STEAM JACKET 1000 SSU TO 2161 SSU HI-TEMP TRIM HEAT EXTENSION |
| ASPHALT-EMULSION | 37 | 47 | | Y | Y | N/A | N/A | N/A | N/A | WATER-BASE EMULSIONS MAY CONTAIN CLAY ADDITIVE ABOVE A 12% CONCENTRATION CLASS 47 IS RECOMMENDED COVERS SHOULD BE FILLED WITH GREASE |
| ASPHALT-GILSONITE-SEALER | 14 | 37 | 47 | N | Y | 0.8869 | | 170 | | VISCOSITY 170 - 175 SSU AT 77 F COMPOSITION ASPHALT 65-75% MINERAL SPIRITS (STODDARD) 25-35% GILSONITE 19-23% |
| ATF | 1 | 16 | 7 | Y | Y | 0.87 | 34 | 185 | | IT IS USED AS REJUVENATOR AND SEALER OF BITUMINOUS ASPHALT PARKING LOT AND DRIVEWAYS. AUTOMATIC TRANSMISSION FLUID TRADE NAMES DEXRON AND MERCON |
| ATLAC-RESIN-#382 | 15 | 27 | | Y | Y | N/A | 390 | 1950 | N/A | MACHINING COOLANT/LUBRICANT |
| ATOGUARD-EA20 | 1 | 14 | 37 | Y | Y | 1 | | | | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|----|---------------------------|----|------------------|------------|-----|--------------------|---|
| | 30 | 15 | 27 | 8 | | | | | |
| ATRAZINE---HERBICIDE | | | | | 1.19 | N/A | N/A | N/A | HERBICIDE M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15;M-7 MAX. 60 GPM M-15 MAX. 90 GPM |
| AV-GAS-(AVIATION-FUELS) | 2 | | | | 0.74 | 2 | 35 | 0.0005 | PH=7 ALSO SEE JET FUEL |
| AZABENZENE | 16 | 20 | 8 | | 0.98 | | | | AROMATIC SOLVENT BEHAVES AS AN AMINE FORMULA: C5H6N OTHER NAMES: PYRIDINE OR AZINE AROMATIC SOLVENT BEHAVES AS AN AMINE FORMULA: C5H6N OTHER NAMES: AZABENZENE, PYRIDINE |
| BANANA-OIL-(AMYL-ACETATE) | 16 | 7 | 20 | 8 | 0.879 | N/A | N/A | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS MAIN COMPONENT IS BARIUM SULFATE (BaSO4) |
| BARITE | 8 | | | | | | | | TRACES OF STRONTIUM POSSIBLE |
| BARIUM-HYDRATE-(BARIUM | 7 | 20 | 8 | | 1.656 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS UP TO 50% CONCENTRATION AND 122 F STAINLESS STEEL EXCELLENT *HYDROXIDE) |
| BARIUM-HYDROXIDE-(AQUEOUS) | 7 | 20 | 8 | | 1.65 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS UP TO 50% CONCENTRATION AND 122 F. STAINLESS STEEL EXCELLENT |
| BARIUM-NITRATE | NR | | | | 3.244 | N/A | N/A | N/A | NOT RECOMMENDED |
| BARIUM-SULFATE-(AQUEOUS) | 8 | | | | N/A | N/A | N/A | N/A | MAIN COMPONENT OF BARITE |
| BARIUM-SULFIDE-(AQUEOUS) | 8 | | | | 4.25 | N/A | N/A | N/A | |
| BASALIN---HERBICIDE | 30 | 15 | 27 | 8 | N/A | N/A | N/A | N/A | HERBICIDE M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15; M-7 MAX. 60 GPM M-15 MAX. 90 GPM |
| BEER | 20 | 8 | | | N/A | N/A | N/A | N/A | CLASS 8 WITH TEFLON INSERT BEARINGS TEFLON BEARINGS M-7 MAXIMUM 75 GPM CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| BEEESWAX | 14 | 37 | | | 0.95 | N/A | N/A | N/A | CLASS 8 WITH TEFLON INSERT BEARINGS MAY ALSO BE USED |
| BEEET-SUGAR-LIQUORS | 3 | 14 | 37 | 20 | N/A | N/A | N/A | N/A | VISCOSITY 300 SSU AT 122 F CLASS 8 USE TEFLON INSERT BEARINGS |
| BEEET-SUGAR-MOLASSES | 3 | 14 | 37 | 8 | 1.4 | 60 | 300 | N/A | |
| BENZALDEHYDE-(ANHYDROUS) | 16 | 7 | 8 | | 1.041 | N/A | N/A | N/A | |
| BENZENE | 16 | 7 | 20 | 8 | 0.88 | 10 | 50 | 0.0006 | STAINLESS STEEL UP TO 167 F IS EXCELLENT CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| BENZENE-OR-BENZOL-(ANHYDROUS) | 7 | 20 | 8 | | 0.879 | N/A | N/A | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS STAINLESS STEEL UP TO 167 F IS EXCELLENT |
| BENZENE-OR-BENZOL-(AQUEOUS) | 7 | 20 | 8 | | N/A | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| BENZINE-(LIGROIN) | 16 | 7 | 8 | | N/A | N/A | N/A | N/A | |
| BENZOIC-ACID | 20 | 8 | | | 1.27 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| BENZYL-ALCOHOL | 16 | 7 | 20 | 8 | 1.04 | N/A | N/A | N/A | ALUMINUM,CAST IRON & STAINLESS STEEL EXCELLENT |
| BENZYL-BENZOATE | 16 | 7 | 8 | | 1.116 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS ALUMINUM EXCELLENT |
| BERYLLIUM-SODIUM-CHLORIDE | 7 | 8 | | | 1.9 | N/A | N/A | N/A | |
| BETULA-OIL-(METHYL-SALICYLATE) | 1 | 16 | 7 | | 1.18 | N/A | N/A | N/A | HERBICIDE (SEE DUAL AND METOLACHLOR) |
| BICEP-HERBICIDE | 30 | 15 | 27 | 8 | N/A | N/A | N/A | N/A | M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15; M-7 MAX. 60 GPM M-15 MAX. 90 GPM |
| | | | | | | | | | CLASS 8 WITH TEFLON INSERT BEARINGS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|---------------------------------|-------------------------|----|---------------------------|------|--------|------------------|------------|------|--------------------|---|
| | 1 | 16 | 7 | BUNA | TEFLON | | | | | |
| BIDIESEL-B100 | | | | N | Y | Y | 1.9 | | | THE OXYGENATED METHYL ESTERS OF VEGETABLE OIL CAUSE BIDIESEL TO HAVE STRONG SOLVENT PROPERTIES. PURE BIDIESEL (B100) CAN SWELL AND DEGRADE BUNA-N, NATURAL RUBBER, AND NITRILE. THESE EFFECTS HAVE NOT BEEN OBSERVED WITH BLENDS OF B20 (20% BIDIESEL IN FUEL #2). ALUMINUM OR CAST IRON EXCELLENT VISCOSITY SHOWN AT 212 F HERBICIDE M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15, M-7 MAX. 60 GPM M-15 MAX. 90 GPM |
| | | | | | | | | | | |
| | | | | | | | | | | |
| BIPHENYL-(SEE-DIPHENYL) | 16 | 7 | 8 | | Y | Y | N/A | N/A | N/A | |
| BUTIMEN | 14 | 37 | | | Y | Y | 200 | 1000 | N/A | |
| BLADEX--HERBICIDE | 30 | 15 | 27 | 8 | Y | Y | N/A | N/A | N/A | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| BLEACH-20%-WITH-80%-WATER | NR | | | | | | N/A | N/A | N/A | CLASS 8 WITH TEFLON INSERT BEARINGS NOT RECOMMENDED SEE SODIUM HYPOCHLORITE |
| BLEACHING-LIQUID | NR | | | | | | N/A | N/A | N/A | NOT RECOMMENDED SEE SODIUM HYPOCHLORITE |
| BRAKE-FLUID | 1 | 16 | 7 | | Y | Y | 1.04 | | | MIXTURE OF HYDRAULIC FLUID AND GLYCOL |
| BRAN-OIL-(ANHYDROUS) | 16 | 7 | 8 | | Y | Y | 1.1598 | N/A | N/A | SAME AS FURFURAL |
| BRINE--FOR-MEAT-PROCESSING | 8 | 7 | | | Y | Y | N/A | N/A | N/A | CAST IRON FOR LIMITED SERVICE ONLY CL 8 USE NON-PLATED SS316 SLEEVES |
| BRINE-SATURATED-(26%-SOLN.) | 8 | 7 | 20 | | Y | Y | 1.203 | N/A | N/A | CL 8 USE NON-PLATED SS316 SLEEVES |
| BRINE-SOLUTION-(0-TO-26-%) | 8 | 7 | 20 | | Y | Y | N/A | N/A | N/A | TEFLON BEARING PLATE INSERTS CAST IRON AND BRASS FOR LIMITED SERVICE -FREE OF AIR STAINLESS STEEL EXCELLENT |
| BRINE-W/NITRATES-&PHOSPHATES | 8 | | | | Y | Y | N/A | N/A | N/A | CL 8 USE NON-PLATED SS316 SLEEVES |
| BROMINE--LIQUID | NR | | | | | | N/A | N/A | N/A | CL 8 USE NON-PLATED SS316 SLEEVES NOT RECOMMENDED |
| BRUSH-KILLER-2-4D | 16 | 7 | 8 | | Y | Y | N/A | N/A | N/A | PRODUCT IS BASICALLY AN AMINO ACID |
| BUNKER-C-(OIL) | 14 | 37 | | | Y | Y | 0.97 | 150 | 0.0004 | METERING TEMPERATURE 225 DEG F HEAT EXTENSION |
| BUTADIENE | 10 | | | | Y | Y | 0.6211 | 50 | 0.0008 | |
| BUTANE-LIQUID | 10 | | | Y | Y | Y | 0.582 | N/A | 0.0011 | |
| BUTANEDIOL-(1,3-BUTYLENE | 16 | 7 | 8 | | Y | Y | 1.0059 | N/A | N/A | GYLCOL) |
| BUTANEDIOL-T,4-BUTYLENE-GLYCOL | 16 | 7 | 8 | | Y | Y | 1.02 | 31 | N/A | |
| BUTANOL-(N-BUTYL-ALCOHOL) | 16 | 7 | 20 | 8 | Y | Y | 0.8109 | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS SEE BUTYLENE |
| BUTENE | 10 | | | | Y | Y | 0.6 | | | |
| BUTOXYETHANOL | 8 | 16 | 7 | | N | Y | 0.9 | 50 | | CLASS 16 AT ROOM TEMPERATURE ONLY. WATER AND SOLVENT-SOLUBLE SOLVENT WITH EXCELLENT DEGREASING ABILITY. |
| | | | | | | | | | | |
| | | | | | | | | | | |
| BUTYL-"CARBITOL" | 16 | 7 | 8 | | Y | Y | 0.9536 | N/A | N/A | OTHER NAMES: BUTYL CELLOSOLVE, ETHYLENE GLYCOL N-BUTYL ETHER, BUTYL GLYCOL. SAME AS DIETHYLENE GLYCOL MONOBUTYL ETHER AND DOWANOL DB |
| BUTYL-ACETATE-(N-BUTYL-ACETATE) | 16 | 7 | 20 | 8 | Y | Y | 0.8862 | N/A | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS AIR ELIM. USE KALREZ/ARMALON SEALS |
| BUTYL-ACETATE-(N-BUTYL) | 16 | 7 | 20 | 8 | Y | Y | 0.8905 | 30 | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS AIR ELIM. USE KALREZ/ARMALON SEALS |
| BUTYL-ACRYLATE-(N-BUTYL) | 4 | 8 | | | Y | Y | 0.9015 | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| BUTYL-ACRYLATE-(TERT-BUTYL) | 4 | 8 | | | Y | Y | 0.8109 | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| BUTYL-BENZONATE | 16 | 7 | 8 | | Y | Y | 1 | N/A | N/A | |
| BUTYL-CELLOSOLVE-(TRADE-NAME | 8 | 16 | 7 | | Y | Y | 0.9 | 10 | N/A | CLASS 16 GOOD AT AMBIENT, ROOM TEMP. ONLY FOR ETHYLENE GLYCOL MONOBUTYL ETHER |
| BUTYL-CLEANER-(SEE-NOTES) | 7 | 8 | | | Y | Y | N/A | N/A | N/A | CONSISTS OF: TRISODIUM PHOSPHATE 5%, SODIUM SILICATE 5% BUTYL CELLOSOLVE 6% AND NON IONIC SURFACTANTS 85% |
| | | | | | | | | | | |
| BUTYL-ETHYL-KETONE-BEK | 16 | 7 | 8 | | Y | Y | 0.8266 | N/A | N/A | CLASS 16 AT ROOM TEMPERATURE ONLY. |
| BUTYL-GLYCOL | 8 | 16 | 7 | | N | Y | | | | SAME AS BUTYL CELLOSOLVE |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|---------------------------------|-------------------------|----|---------------------------|--------|------------------|------------|-----|--------------------|---|
| | 4 | 8 | BUNA | TEFLON | | | | | |
| BUTYL-METHACRYLATE-(N-BUTYL) | 16 | 7 | 8 | | | | | | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| BUTYL-OXITOL | | | | Y | Y | N | | | CLASS 16 AT ROOM TEMPERATURE ONLY. SAME AS BUTYL CELLOSOLVE |
| BUTYLACRYLATE-METHYL METHACRYLA | 8 | | | Y | | | | | BUTYL ACRYLATE METHYL METHACRYLATE (BAMMA) TRADE NAME: RHOPEX |
| | | | | | | | | | ACRYLIC EMULSION POLYMER |
| BUTYLENE-LIQUID | 10 | | | Y | | | | | SIMILAR TO BUTENE |
| BUTYLPHENOL-ORTHO-TERT | 8 | | | Y | | | | | PRODUCT FREEZES AT 208 F. HEAT EXTENSION REQUIRED |
| BUTYLPHTHALATE | 16 | 7 | 8 | Y | Y | Y | | | SEE DIBUTYL PHTHALATE |
| BUTYRALDEHYDE | 16 | 7 | 8 | Y | Y | | | | ALUMINUM, CAST IRON OR STAINLESS STEEL EXCELLENT |
| BUTYRIC-ALCOHOL | 16 | 7 | 20 | 8 | Y | Y | | | * SEE N-BUTYL ALCOHOL |
| | | | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| CALCIUM-CHLORATE | 7 | 8 | | Y | Y | | | | |
| CALCIUM-CHLORIDE-30-34% | 7 | 8 | | Y | Y | | | | AVOID DISSIMILAR METALS |
| CALCIUM-CHLORIDE-46% | 7 | 8 | | Y | Y | | | | CL 8 USE NON-PLATED SS316 SLEEVES CL 8 USE NON-PLATED SS316 SLEEVES |
| CALCIUM-FLUORIDE | 7 | 8 | | Y | Y | | | | AVOID DISSIMILAR METALS PH MUST BE LESS THAN 8 |
| CALCIUM-HYDROXIDE | 37 | 27 | 20 | 8 | Y | Y | | | CAST IRON & STAINLESS STEEL RATED GOOD UP TO 50% CONCENTRATION AND 70 F |
| | | | | | | | | | CLASS 8 WITH TEFLON INSERT BEARINGS |
| CALCIUM-HYPOCHLORITE-(AQUEOUS) | NR | | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| CALCIUM-LIGNOSULFONATE | 1 | 7 | 8 | Y | Y | | | | NOT RECOMMENDED |
| | | | | | | | | | VISC. 700 CP AT 50F. 50 CP AT 120F |
| | | | | | | | | | BWARE OF SOLID CONTENT, TYPICALLY 45 % PH RANGE IS 3.0 TO 4.0 PER MSDS SHEET |
| CALCIUM-NITRATE | 8 | 4 | | Y | Y | Y | | | USED IN PAPER/PULP PROCESSING |
| | | | | | | | | | ALUMINUM AND SS316 SHOW THE SAME PENETRATION PER YEAR: -20 MILS. ALTHOUGH IT IS NOT EXCELLENT. SS 316 HAS THIS PERFORMANCE UP TO 340F |
| CANDY-(SEE NOTES) | 15 | 8 | | Y | Y | Y | | | GLUCOSE 37%. LIQUID SUGAR 14%. FLOUR 22%. STARCH 4%. WATER 23% |
| | | | | | | | | | CLASS 8 W/TEFLON INSERTS |
| CANE-SYRUP | 3 | 14 | 37 | 20 | Y | Y | | | CLASS 8 W/ TEFLON INSERTS MAY ALSO BE USED |
| CAPRIC-ACID | 8 | 27 | 15 | 30 | Y | Y | | | ALSO CALLED DECANOIC ACID OR DECYLIC ACID FORM OF CARBOXYLIC OR FATTY ACID |
| | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS SEE 'FATTY ACIDS' LISTING |
| CARBITOL | 16 | 7 | 8 | | Y | | | | TRADEMARK FOR A GROUP OF MONO- AND DIALKYL ETHERS OF DIETHYLENE GLYCOL AND THEIR DERIVATIVES |
| | | | | | | | | | SEE DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE |
| CARBITOL-ACETATE | 16 | 7 | 8 | | Y | | | | NOT RECOMMENDED |
| CARBON-DIOXIDE-CRYOGENIC-LIQ. | NR | | | | | | | | MUST BE CLEAN PURE CHEMICAL (NO WATER) |
| CARBON-TETRACHLORIDE | 7 | 8 | | Y | Y | | | | 0.0006 |
| | | | | | | | | | CAST IRON FAIR, STAINLESS STEEL GOOD. 82% CARBON TETRACHLORIDE, 17% SULPHUR DIOXIDE, 16% CARBON BISULFIDE |
| CARBON-TETRACHLORIDE-(SEE NOTE) | 8 | | | | Y | | | | |
| CARBOXYLIC-ACID | 8 | 27 | 15 | 30 | Y | Y | | | SEE 'FATTY ACIDS' LISTING FOR DETAILS REFERENCE CAPRIC, DECANOIC, PROPIONIC ACIDS |
| | | | | | | | | | DO NOT USE 304 STAINLESS STEEL USE TEFLON INSERT BEARINGS |
| CARMEL | 8 | | | | Y | | | | 1950 |
| CARNATION-OIL-(MINERAL-OIL) | 3 | 16 | 8 | | Y | Y | | | N/A |
| CASHEW-OIL-HOT-W/5%-SULFURIC | 8 | | | | Y | | | | N/A |
| CASTOR-OIL | 3 | 14 | 37 | 20 | Y | Y | | | *ACID VISC. RANGE 200 TO 3000 SSU. |
| CASTOR-OIL-ACID | 16 | 7 | 8 | | Y | | | | 0.94 SAME AS RICINOLEIC ACID |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|----|---------------------------|----|------|------------------|------------|-----|--------------------|---|
| | 37 | 27 | 8 | 47 | BUNA | | | | | |
| CATTLE-FEED | | | | | Y | | | | N/A | CLASS 8 W/TEFLON INSERTS IF ABRASIVE-ADD EDIBLE GREASE TO COVERS MAY CONTAIN AMINE ETHOXYLATES (SURFACTANT) |
| CAUSTIC-CATALYST | 37 | 27 | 8 | | Y | | | | N/A | POTASSIUM HYDROXIDE 50% SG=1.516 20% SG=1.190 AVOID DISSIMILAR METALS |
| CAUSTIC-POTASH---SEE-POTASSIUM | 37 | 27 | 8 | 47 | Y | | | | N/A | CLASS 8 WITH TEFLON INSERT BEARINGS STAINLESS STL & MILD STEEL GOOD FOR SOLTN OF 10% TO 50% BELOW 130 F. CAST IRON BELOW 100 F |
| | | | | | | | | | | SEE SODIUM HYDROXIDE (SODIUM HYDRATE) LYE/WHITE CAUSTIC) STAINLESS STEEL & CAST IRON GOOD IN SOLTN OF 20% TO 50% BELOW 160 F/MILD STEEL BELOW 140 F AVOID DISSIMILAR METAL |
| CAUSTIC-SODA-(SEE-SOD.HYD.) | 7 | 8 | 27 | 37 | Y | Y | | | 0.0001 | NON WEIGHTS & MEASURES APPLICATIONS USE CLASS 27 OR 37 |
| | | | | | | | | | | |
| CELLOSOLVE | 16 | 7 | 8 | | Y | | | | N/A | SEE BUTYL CELLOSOLVE (ETHYLENE GLYCOL MONOBUTYL ETHER) |
| CEPACOL-(ALCOHOL) | 16 | 7 | 8 | | Y | Y | | | N/A | WAX) |
| CERACLOR-(CHLORINATE-PARAFFIN | 14 | 37 | | | Y | Y | | | N/A | |
| CHINA WOOD-OIL-(TUNG-OIL) | 3 | 14 | 37 | 8 | Y | Y | | | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| CHLORETHENE-(MONOMER) | 7 | 8 | | | Y | Y | | | N/A | *VINYL CHLORIDE |
| CHLORIC-ACID | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLORIDIC-ACID-33% | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLORINATED-PARAFFIN-WAX | 37 | | | | Y | Y | | | N/A | |
| CHLORINATED-SOLVENTS-SEE-TYPE | 7 | 8 | | | Y | Y | | | N/A | |
| CHLORINATED-WATER | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLORINE---PURE | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLORINE-SOLUTION | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLORO-SULPHONIC-ACID | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLOROACETIC-ACID | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLOROBENZENE | 7 | 8 | | | Y | Y | | | N/A | CAST IRON OR STAINLESS STEEL GOOD |
| CHLOROETHYLENE-(MONOMER) | 7 | 8 | | | Y | Y | | | N/A | *VINYL CHLORIDE |
| CHLOROFORM | 7 | 8 | | | Y | Y | | | N/A | |
| CHLOROFORM-(ANHYDROUS) | 7 | 8 | | | Y | Y | | | N/A | |
| CHLOROHRIDRIN | 7 | 8 | | | Y | Y | | | N/A | |
| CHLOROMETHANE | 7 | 8 | | | Y | Y | | | N/A | ALSO CALLED METHYL CHLORIDE VISCOSITY .28 Cp. AT -20 C (-4 F) DO NOT USE ANY ALUMINUM COMPONENTS |
| | | | | | | | | | | |
| CHLOROPRENE | NR | | | | | | | | N/A | NOT RECOMMENDED |
| CHLOROTHENE-V-C | 7 | 8 | | | Y | Y | | | N/A | STAINLESS STEEL EXCELLENT |
| CHOCOLATE-LIQUID | 37 | 14 | | | Y | Y | | | N/A | FOR SINGLE-CASE (MMA SERIES) METERS, IT IS RECOMMENDED THAT THE COVERS BE FILLED W/EDIBLE GREASE TO PREVENT THE PRODUCT FROM ENTERING AND HARDENING BETWEEN THE COVERS AND BEARING PLATES (DUE TO NO CIRCULATION). CONSTANT TEMPERATURE MUST BE MAINTAINED THROUGHOUT ENTIRE SYSTEM. |
| | | | | | | | | | | |
| CHOLINE-CHLORIDE | 37 | 8 | | | Y | | | | N/A | ANIMAL FEED ADDITIVE DERIVED FROM AGRICULTURAL WASTE OR MADE SYNTHETICALLY |
| CHROMIC-ACID-(AQUEOUS) | NR | | | | | | | | N/A | NOT RECOMMENDED UP TO 10% CONCENTRATION AND 70 F |
| | | | | | | | | | | ALUMINUM GOOD/OVER 25% CONCENTRATION |
| CHROMIUM-SULFATE | 8 | | | | Y | Y | | | N/A | CAST IRON GOOD |
| | | | | | | | | | | |
| CIDER | 8 | | | | Y | Y | | | N/A | CLASS 8 USE TEFLON INSERT BEARINGS .5% BASIC CHROMIUM SULFATE, 5% SALT, 2% SODIUM SULFATE CR2(SO)3.18H2O |
| CINNAMENE-(STYRENE) | 16 | 7 | 8 | | Y | Y | | | N/A | |
| CITRIC-ACID-(AQUEOUS) | 8 | | | | Y | Y | | | N/A | UP TO 30% CONCENTRATION AT 70 F |
| CITRUS-ESSENCE | 8 | | | | Y | Y | | | N/A | TEFLON BEARING PLATE INSERTS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|--------|---------------------------|-------|-------|------------------|------------|--------|--|------|
| | BUNA | TEFLON | VITON | OTHER | OTHER | | | | | |
| CLAY-SLURRY | 27 | 47 | | Y | | N/A | N/A | N/A | CLASS 27 ISO-K. UP TO A 12% CLAY CONCENTRATION 12% TO 40% CONCENTRATION USE CLASS 47 FILL | |
| | | | | | | | | | COVERS WITH GREASE. PLUG BLEED HOLES AND DERATE METER AS FOLLOWS: UP TO 30% OPERATE AT 60% RATED CAPACITY. UP TO 40% OPERATE AT 30% CAPACITY | |
| COAL-SLURRY-(SEE-NOTES) | 37 | 47 | | Y | | N/A | N/A | N/A | 50% COAL DUST. 40% NO. 6 OIL. 10% WATER | |
| COAL-TAR | 14 | 37 | Y | Y | | 1.2 | N/A | N/A | | |
| COAL-TAR-PITCH | 14 | 37 | | Y | | 1.2 | N/A | N/A | | |
| COBAL-T-NITRATE-(COBALTOUS) | 8 | | | Y | | 1.88 | N/A | N/A | 50% WATER, 50% COBALT NITRATE | |
| COCAMIDOPROPYL-BETAINE | 4 | 8 | | Y | | 1.0396 | 10000 | 46500 | TRADE NAME RITATAINE | |
| | | | | | | | | | DE-RATE TO 55% FOR CARBON BEARINGS | |
| | | | | | | | | | DE-RATE TO 38% FOR TEFLON BEARINGS | |
| COCOA-BUTTER | 3 | 14 | 37 | 8 | Y | 0.862 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COCOA-BUTTER-(THEOBROMA-OIL) | 3 | 14 | 37 | 8 | Y | 0.862 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COCOA-LIQUOR | 8 | | | Y | | N/A | 12000 | 60000 | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COCONUT-OIL | 3 | 14 | 37 | 8 | Y | 0.92 | N/A | 0.0004 | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COD-LIVER-OIL | 3 | 14 | 37 | 8 | Y | 0.918 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COLLOIDAL-SILICA-AMMONIA-BASE | 7 | 8 | | Y | | 1.2 | N/A | N/A | A ROSIN RESIDUE WHICH REMAINS AFTER THE VOLATILES HAVE BEEN REMOVED BY DISTILLATION | |
| COLOPHONY | 15 | 8 | | Y | | 1.08 | N/A | N/A | OF CRUDE TURPENTINE | |
| | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COMPERLAN | 8 | | | Y | | | 500 | 2480 | COMPOSED OF FATTY ACIDS & ETHANOLAMINES TEFLON BEARING INSERTS - DE-RATE TO 66% | |
| CONCRETE-ADDITIVE | 27 | | | Y | | 1.05 | N/A | N/A | WR GRACE ADDITIVE - HYDROPHOBIC, AIRALON, ETC. METER MAINTENANCE CO. CARLTON CA. | |
| | | | | | | | | | USE NI-RESIST GEARS ...NOT SINTERED IRON GEARS | |
| | | | | | | | | | VISC. RANGE 100-1000 CST OR 530-4600 SSU AT 70F | |
| | | | | | | | | | PH RANGE FROM 7 TO 11 | |
| CONCRETE-SEALING-COMPOUND | NR | | | | | N/A | N/A | N/A | NOT RECOMMENDED | |
| CONDENSATE-(HYDROCARBON) | 1 | 16 | | Y | | 0.75 | N/A | N/A | IRON GEARS | |
| CONTACT-CEMENT | 15 | 8 | | Y | | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COOKING-OILS | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| COPOLYMER-ESTER | 16 | 7 | 8 | Y | Y | 0.92 | | | COMMERCIAL NAME: LUBRIZOL 6662 | |
| | | | | | | | | | TYPE: VISCOSITY MODIFIER (COPOLYMER ESTER) SEE ALSO PETROLEUM DISTILLATE | |
| | | | | | | | | | CAS # 64742-46-7 | |
| COPPER-ACETATE-(AQUEOUS) | 7 | 8 | | Y | | 1.9 | N/A | N/A | VISCOSITY: 4,000 cStk @ 104 F; 250 cStk @ 212 F UP TO 90% CONCENTRATION AND 70 F | |
| | | | | | | | | | CAST IRON EXCELLENT UP TO 10% CONCENTRATION AND 70 F STAINLESS STEEL GOOD | |
| COPPER-CHLORIDE-(AQUEOUS) | NR | | | | | 3.38 | N/A | N/A | NOT RECOMMENDED | |
| COPPER-CYANIDE | NR | | | | | | N/A | N/A | NOT RECOMMENDED | |
| COPPER-NITRATE-(AQUEOUS) | 8 | | | Y | | 2.32 | N/A | N/A | | |
| COPPER-SULFATE-(AQUEOUS) | NR | | | | | 2.28 | N/A | N/A | NOT RECOMMENDED | |
| CORN-EXTRACTIVE-FERMENTED | 3 | 14 | 37 | 8 | Y | 1.2 | 2000 | 10000 | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORN-OIL | 3 | 14 | 37 | 8 | Y | 0.914 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORN-STARCH | NR | | | | | | N/A | N/A | NOT RECOMMENDED | |
| CORN-SYRUP---ISOSWEET-100 | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| | | | | | | | | | PH-3.6 (ACIDIC) | |
| | | | | | | | | | NO INFO. AVAILABLE ON FIELDS 5-8 | |
| CORN-SYRUP-42-DEG.-BAUME' | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORN-SYRUP-43-DEG.-BAUME' | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORN-SYRUP-HI-SWEET-42 | 3 | 14 | 37 | 8 | Y | 1.346 | 150 | 740 | CLASS 8 USE TEFLON INSERT BEARINGS | |
| | | | | | | | | | PH-3.5 (ACIDIC) | |
| | | | | | | | | | NO INFO. AVAILABLE ON COEFF. OF THERMAL EXPANSION | |
| CORN-SYRUP-HI-SWEET-55 | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORN-SYRUP-HI-SWEET-90 | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORN-SYRUP-HIGH-FRUCTOSE | 3 | 14 | 37 | 8 | Y | N/A | 1040 | 5200 | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORN-SYRUP-ISOSWEET-180 | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT | | | | | | | | | | | |
|-------------------------------|-------------------------|----|---------------------------|----|---|------------------|------------|-----|--------------------|--------|------|--------|-------|-------|--|--|--|--|--|------------------------------------|---|
| | 3 | 14 | 37 | 8 | 8 | | | | | | BUNA | TEFLON | VITON | OTHER | | | | | | | |
| CORN-SYRUP-ISOSWEET-5500 | 3 | 14 | 37 | 8 | 8 | Y | | | | N/A | | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS | |
| CORNSWEET-42 | 3 | 14 | 37 | 8 | 8 | Y | | | | 1.346 | | 150 | 740 | N/A | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS PH-3.5 (ACIDIC) |
| CORNSWEET-55 | 3 | 14 | 37 | 8 | 8 | Y | | | | N/A | | | | N/A | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| CORNSWEET-90 | 3 | 14 | 37 | 8 | 8 | Y | | | | N/A | | | | N/A | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| COTTONSEED-&SOYBEAN-OIL | 3 | 14 | 37 | 8 | 8 | Y | | | Y | 0.915 | | | | N/A | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| COTTONSEED-OIL | 3 | 14 | 37 | 8 | 8 | Y | | | Y | 0.915 | | | | N/A | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| CRANBERRY-JUICE | 8 | | | | | Y | | | Y | N/A | | | | N/A | | | | | | | HARD CARBON BEARINGS |
| CRANBERRY SAUCE (NOT-JELLIED) | 8 | | | | | Y | | | Y | N/A | | | | N/A | | | | | | | HARD CARBON BEARINGS |
| CREOSOTE-(COAL-TAR) | 14 | 37 | 20 | | | Y | | | Y | 1.08 | | | | N/A | | | | | | | STAINLESS STEEL EXCELLENT. |
| CRESOL-(CRESYLIC-ACID) | 8 | | | | | Y | | | Y | 1.04 | | | | N/A | | | | | | | ALUM. IS RESISTANT TO 212 DEG.F. |
| CROP-OILS | 1 | 16 | 7 | | | Y | | | Y | N/A | | | | N/A | | | | | | | CARRIER FOR INSECTICIDES |
| CRUDE-&SALT-WATER | 27 | | | | | Y | | | Y | N/A | | | | N/A | | | | | | | |
| CRUDE--HIGH-SULFUR | 37 | | | | | Y | | | Y | N/A | | | | N/A | | | | | | | |
| CRUDE-OIL | 14 | 37 | | | | Y | | | Y | N/A | | | | N/A | | | | | | | 0.0004 |
| CRUDE-OIL-SOUR | 37 | | | | | Y | | | Y | N/A | | | | N/A | | | | | | | |
| CRUDE-OIL-SWEET | 14 | 37 | 8 | | | Y | | | Y | N/A | | | | N/A | | | | | | | |
| CUMEME | 16 | 7 | 8 | | | Y | | | Y | 0.862 | | | | N/A | | | | | | | ALSO KNOWN AS ISOPROPYLBENZENE |
| CUPRIC-CHLORIDE | NR | | | | | | | | | | | | | N/A | | | | | | | ALUMINIUM, CAST IRON OR STAINLESS STEEL GOOD |
| CUPROUS-CHLORIDE-SOLUTION | NR | | | | | | | | | 2.39 | | | | N/A | | | | | | | ALUMINIUM, CAST IRON OR STAINLESS STEEL GOOD |
| CUTBACK-ROCKHILL-7001 | 14 | 37 | | | | Y | | | Y | 3.35 | | | | N/A | | | | | | | NOT RECOMMENDED |
| CUTBACK-ROCKHILL-7038 | 14 | 37 | | | | Y | | | Y | N/A | | | | N/A | | | | | | | NOT RECOMMENDED |
| CUTTING-OILS | 1 | 16 | 7 | | | Y | | | Y | N/A | | | | N/A | | | | | | | |
| CYCLOHEXANE | 16 | 7 | 8 | | | Y | | | Y | 0.779 | | | | N/A | | | | | | | |
| CYCLOHEXANOL | 16 | 7 | 8 | | | Y | | | Y | 0.94 | | | | N/A | | | | | | | CLASS 16 & 7 RATED GOOD |
| CYCLOHEXANONE | 16 | 7 | 8 | | | Y | | | Y | 0.948 | | | | N/A | | | | | | | ALUMINIUM/CAST IRON & STAINLESS STEEL RATED GOOD ONLY |
| CYCLOHEXYLAMINE | 8 | 7 | | | | Y | | | Y | 0.8683 | | | | N/A | | | | | | | PH WITH PRESENT IS > 10 |
| | | | | | | | | | | | | | | N/A | | | | | | | CLASS 8 PREFERRED |
| | | | | | | | | | | | | | | N/A | | | | | | | CLASS 7 FUNCTIONALLY OK, BUT MAY CONTAMINATE |
| CYCLOHEXYLISOCYANATE | 7 | 8 | | | | Y | | | Y | N/A | | | | N/A | | | | | | | USE TEFLON |
| CYPRUS-SODIUM-SULFITE | 8 | | | | | Y | | | Y | N/A | | | | N/A | | | | | | | CALGON 40%, DECOLORIZER 20%, CYPRUS 30% |
| DDT | NR | | | | | | | | | N/A | | | | N/A | | | | | | | |
| DE-ICING-FLUID | 14 | | | | | Y | | | Y | 1.115 | | | | N/A | | | | | | | TYPICALLY AN M47 STYLE METER RECOMMEND HI-TEMP ADJUSTER |
| | | | | | | | | | | | | | | N/A | | | | | | | AIRCRAFT DE-ICING FLUID (ADF) |
| | | | | | | | | | | | | | | N/A | | | | | | | TYPICALLY CONTAINS ETHYLENE GLYCOL W/WARM WATER |
| | | | | | | | | | | | | | | N/A | | | | | | | BEWARE OF VITON LOW TEMP. AMBIENT CONDITIONS |
| DECANOIC-ACID | 8 | 27 | 15 | 30 | | Y | | | Y | 0.84 | | | | N/A | | | | | | | ALSO CALLED CAPRIC ACID OR DECYLIC ACID FORM OF CARBOXYLIC OR FATTY ACID |
| | | | | | | | | | | | | | | N/A | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| | | | | | | | | | | | | | | N/A | | | | | | | SEE 'FATTY ACIDS' LISTING |
| DECYL-ALCOHOL | 16 | 7 | 20 | 8 | | Y | | | Y | 0.829 | | | | N/A | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| DEHYQUART-A | 7 | 8 | | | | Y | | | Y | 1.485 | | | | N/A | | | | | | | CETRIUMIUM CHLORIDE |
| | | | | | | | | | | | | | | N/A | | | | | | | CETYL TRIMETHYL AMMONIUM CHLORIDE |
| DENATURED-ALCOHOL | 16 | 7 | 20 | 8 | | Y | | | Y | N/A | | | | N/A | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| | | | | | | | | | | | | | | N/A | | | | | | | ALUMINIUM GOOD. STAINLESS STEEL EXCELLENT |
| DEODORIZED-OIL | 1 | 16 | 7 | | | Y | | | Y | N/A | | | | N/A | | | | | | | BUNA-N SEALS (NOT FOR HUMAN CONSUMPTION) |
| DESMODUR-W-METHYLENE | 7 | 8 | | | | Y | | | Y | N/A | | | | N/A | | | | | | | |
| DETERGENTS---SYNTHETIC | 7 | 8 | | | | Y | | | Y | 1.2 | | | | N/A | | | | | | | VISC. RANGE 100 TO 75000 SSU |
| DEXTROSE---STALEYDEX-130 | 3 | 14 | 37 | 8 | | Y | | | Y | N/A | | | | N/A | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| DI-N-PROPYLAMINE | 8 | | | | | Y | | | Y | 0.72 | | | | N/A | | | | | | | AVOID DISSIMILAR METALS |
| | | | | | | | | | | | | | | N/A | | | | | | | HIGHLY FLAMMABLE, SKIN IRRITANT |
| DIACETONE-ALCOHOL | 16 | 7 | 20 | 8 | | Y | | | Y | 0.94 | | | | N/A | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| | | | | | | | | | | | | | | N/A | | | | | | | ALUMINIUM EXCELLENT |
| | | | | | | | | | | | | | | N/A | | | | | | | AIR ELIM. USE KALREZ/ARMALON SEALS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|------------------------------|-------------------------|---------|---------------------------|--------|-------|-------|------------------|------------|-----|--------------------|--|
| | | | BUNA | TEFLON | VITON | OTHER | | | | | |
| DIAMMONIUM-PHOSPHATE-AQUEOUS | NR | | | | | | 1.61 | N/A | N/A | | SAME AS AMMONIUM PHOSPHATE DIBASIC NOT RECOMMENDED |
| DIBUTYL-PHTHALATE | 16 | 7 8 | | Y | | | 1.048 | N/A | N/A | 0.0004 | SEE BUTYL PHTHALATE AIR ELIM. USE KALREZ/ARMALON SEALS HERBICIDE |
| DICEP--HERBICIDE | 30 | 15 27 8 | | Y | Y | | N/A | N/A | N/A | N/A | M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15. M-7 MAX. 60 GPM M-15 MAX. 90 GPM CLASS 8 WITH TEFLON INSERT BEARINGS |
| DICHLOROBENZENE | 7 | 8 | | Y | Y | | 1.458 | N/A | N/A | N/A | CARBON INSERT BEARING PLATES |
| DICHLOROBUTENE | 8 | | | Y | | | 1.2554 | N/A | N/A | N/A | SAME AS ETHYLENE DICHLORIDE |
| DICHLOROETHANE | 7 | 8 | | Y | Y | | 1.335 | N/A | N/A | N/A | SAME AS METHYLENE CHLORIDE AVOID DISSIMILAR METALS |
| DICHLOROMETHANE | 7 | 8 | | Y | Y | | 1.23 | N/A | N/A | N/A | |
| DICHLOROPROPENE | 7 | 8 | | Y | | | 0.979 | N/A | N/A | N/A | |
| DICYCLOPENTADIENE | 16 | 7 8 | | Y | | | 0.85 | N/A | N/A | N/A | |
| DIESEL-FUEL | 1 | 16 7 | Y | Y | Y | | 0.85 | 1.5 | 33 | 0.0005 | PACKING GLAND FLUOROGOLD BUSHING SWELLS WITH SULFUR BLEND USE LPG PACKING GLAND WITH STD NYLINER BEARING |
| DIESEL-FUEL-#1 | 1 | 16 7 | Y | Y | Y | | 0.85 | 1.5 | 33 | 0.0005 | VISC. 1.5 CST AT 100F. 8 CST AT -4F |
| DIESEL-OIL-#2 | 1 | 16 7 | Y | Y | Y | | 0.82 | 3 | 36 | 0.0005 | VISC. 1.5 CST AT 100F. 8 CST AT -4F BUNA SEALS MAY SWELL DUE TO ADDITIVES IN FUEL BUNA OK FOR STATIC SEALS IF TRAPPED IN MACHINED GROOVE METERING TEMPERATURE 290 DEG F |
| DIESEL-OIL--HEAVY-BLENDED | 14 | 37 | | Y | Y | | N/A | N/A | N/A | N/A | |
| DIETHANOLAMINE | 7 | 8 16 | | Y | Y | | 1.092 | N/A | N/A | 0.0003 | |
| DIETHYL-SULFATE | 16 | 7 8 | | Y | | | 1.1803 | N/A | N/A | N/A | |
| DIETHYLANILINE | 7 | 8 | | Y | | | 0.959 | N/A | N/A | N/A | OPERATE AT 80% MAXIMUM METER RATING |
| DIETHYLBENZENE | 16 | 7 8 | | Y | Y | | 0.865 | N/A | N/A | N/A | |
| DIETHYLENE-GLYCOL | 1 | 16 7 | Y | Y | Y | | 1.1184 | N/A | N/A | 0.0004 | |
| DIETHYLENE-GLYCOL-MONOBUTYL | 16 | 7 8 | | Y | Y | | 0.9536 | N/A | N/A | 0.0005 | ETHER SAME AS BUTYL "CARBITOL" & DOWANOL DB |
| DIETHYLENE-GLYCOL-MONOETHYL | 16 | 7 8 | | Y | Y | | 1.0272 | N/A | N/A | 0.0005 | ETHER TRADE NAME "CARBITOL" SOLVENT |
| DIETHYLENE-TRIAMINE | 7 | 8 | | Y | Y | | 0.954 | N/A | N/A | 0.0009 | |
| DIETHYLHYDROXLAMINE | 8 | 7 | | Y | Y | | 0.902 | N/A | N/A | N/A | PH -8 IF H2O PRESENT CLASS 8 PREFERRED |
| | | | | | | | | | | | CLASS 7 FUNCTIONALLY OK BUT MAY CONTAMINATE USE TEFLON |
| | | | | | | | | | | | ALT NAME ETHANAMINE-N-ETHYL-N-HYDROXY |
| DIETHYLKETONE | 16 | 7 8 | | Y | Y | | 0.816 | N/A | N/A | 0.0006 | |
| DIFLUOROETHANE | 10 | | | Y | Y | | 0.922 | 0.247 | | 0.0014 | TEFLON SEALS RECOMMENDED AT LOW TEMPS OTHER NAMES: FREON 152a, REFRIGERANT 152a, GENETRON 152a TRADE NAME: DYMEL 152a (DUPONT) |
| | | | | | | | | | | | LIQUEFIED COLOURLESS GAS UNDER PRESSURE VAPOR PRESSURE: 87.98 PSI AT 77 F |
| DIISOBUTYL-KETONE | 16 | 7 8 | | Y | | | 0.809 | N/A | N/A | 0.0005 | ALUMINUM, CAST IRON OR STAINLESS STEEL EXCELLENT USE ALUMINUM OR CAST IRON WITH PURE PRODUCT USE STAINLESS STEEL IF MOISTURE IS PRESENT |
| DIISOBUTYLENE | 16 | 7 8 | | Y | Y | | 0.7227 | | | | |
| DIISOCYANATE | 7 | 8 | | Y | | | N/A | N/A | N/A | N/A | PLASTICIZER |
| DIISODECYL-PHTHALATE-(DIDP) | 16 | 7 8 | | Y | Y | | 0.966 | 21.4 | 108 | 0.0003 | ALUMINUM GOOD, STAINLESS STEEL EXCELLENT |
| DIISOPROPYL-ETHER | 16 | 7 8 | | Y | Y | | 0.723 | N/A | N/A | N/A | SAME AS ISOPROPYL ETHER STAINLESS STEEL EXCELLENT |
| | | | | | | | | | | | USED AS A DYE INTERMEDIATE. SYNONYMS: AMINODIMETHYLBENZENE, AMINOXYLENE, XYLIDINE, DIMETHYLAMINO BENZENE |
| DIISOPROPYL-KETONE | 16 | 7 8 | | Y | Y | | N/A | N/A | N/A | N/A | |
| DIMETHYL-ACETAMIDE | 16 | 7 8 | | Y | Y | | 0.9366 | N/A | N/A | N/A | |
| DIMETHYL-ANILINE | 8 | | N | Y | N | | | | | | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|----|---------------------------|----|------------------|------------|-------|--------------------|--|
| | 15 | 27 | 8 | 8 | | | | | |
| EPOXY-RESIN-MIX-(SEE-NOTES) | | | | | N/A | N/A | N/A | N/A | CONSIST OF: 5% MONO BUTYL, 5% MONO HEXYL, 5% MONO ETHYL AND 30% EPOXY RESIN WITH 59.5% WATER |
| EPOXY-RESINS | 15 | 27 | 8 | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| ERADICANE---HERBICIDE | 30 | 15 | 27 | 8 | | 10000 | 46500 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| | | | | | | | | | HERBICIDE |
| | | | | | | | | | M-5 USE CLASS 30...MAX. 25 GPM |
| | | | | | | | | | M-7 AND M-15 USE CLASS 15, M-7 MAX. 60 GPM |
| | | | | | | | | | M-15 MAX. 90 GPM |
| | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| ETHANAMINE,N-ETHYL-N-HYDROXY | | | | | | | | | SEE DIETHYL-HDROXYLAMINE |
| ETHANE- LIQUID | 10 | | | | | | | | N/A |
| ETHANOL | 16 | 7 | 8 | | | | | | 0.446 |
| | | | | | | | | | 0.804 |
| | | | | | | | | | Y |
| | | | | | | | | | Y |
| | | | | | | | | | Y |
| ETHANOL-ALCOHOL-2-B | 16 | 7 | 8 | | | 1 | 30 | N/A | 0.78 |
| ETHANOL-ALCOHOL-SOLUTION | 16 | 7 | 8 | | | 1 | 30 | N/A | 0.79 |
| ETHANOL-CHLORIDE | NR | | | | | | | | N/A |
| ETHANOLAMINE | 7 | 8 | | | | | | | 0.689 |
| ETHER | 20 | 8 | | | | | | | 0.736 |
| ETHOXYQUIN-(SEE-NOTES) | 7 | 8 | | | | | | | 1.02 |
| | | | | | | | | | NONEDIBLE ANIMAL FEED |
| ETHYL-ACETATE | 16 | 7 | 20 | 8 | | 1 | 30 | 0.0007 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| | | | | | | | | | GRADES: COMMERCIAL 85-88%, 95-98%; 99% |
| | | | | | | | | | CLASS 16 REQUIRES PRODUCT TO BE WATER FREE |
| ETHYL-ACETATE-&ORGANIC | 8 | | | | | | | | AIR ELIM. USE KALREZ/ARMALON SEALS |
| ETHYL-ACETATE-(ANHYDROUS) | 16 | 7 | 20 | 8 | | | | | *ACETATE |
| ETHYL-ACRYLATE | 8 | | | | | | | | STAINLESS STEEL GEARS,CARBON BEARINGS |
| ETHYL-ALCOHOL | 16 | 7 | 20 | 8 | | | | | 0.883 |
| | | | | | | | | | 0.92 |
| | | | | | | | | | 0.816 |
| ETHYL-ALCOHOL-&DIESEL-FUEL | 1 | 16 | 7 | 20 | | | | | N/A |
| ETHYL-ALCOHOL-&WATER-SEE-NOTE | 4 | 8 | | | | 1 | 30 | 0.0006 | 40-80% ETHYL ALCOHOL WITH 20-60% WATER OR, 60-80% ETHYL ALCOHOL WITH 20-40% WATER |
| | | | | | | | | | 0.79 |
| ETHYL-ALCOHOL---SOLOX | 16 | 7 | 8 | | | 1 | 30 | 0.0006 | 0.79 |
| ETHYL-ALCOHOL-50%-(SEE-NOTES) | 7 | 8 | | | | | | | 0.79 |
| | | | | | | | | | 50% ETHYL ALCOHOL, 50% SULFORATED ALKYLAROMATIC COMPOUND |
| | | | | | | | | | CARBON BEARING PLATE INSERTS |
| ETHYLAMINE | 7 | 4 | 8 | | | | | | *AMINETHANE" REF. |
| | | | | | | | | | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| | | | | | | | | | AVOID DISSIMILAR METALS |
| | | | | | | | | | ALSO SEE MONOETHYLAMINE |
| ETHYLBENZENE | 16 | 7 | 8 | | | | | | 0.867 |
| ETHYLENE-ALCOHOL | 16 | 7 | 8 | | | | | | 1.115 |
| ETHYLENE-CHLORIDE | 7 | 8 | | | | 1 | 30 | N/A | 1.26 |
| ETHYLENE-DIAMINE | 7 | 8 | | | | 1 | 30 | 0.0009 | 0.9 |
| ETHYLENE-DIBROMIDE | 8 | | | | | | | | 2.17 |
| ETHYLENE-DICHLORIDE | 7 | 8 | | | | 1 | 30 | N/A | 1.26 |
| ETHYLENE-GLYCOL | 1 | 16 | 7 | 20 | | 20 | 100 | 0.0004 | 1.15 |
| ETHYLENE-GLYCOL-99.99%-PURE | 1 | 16 | 7 | 20 | | 20 | 100 | 0.0005 | 1.12 |
| ETHYLENE-GLYCOL-MONOBUTYL | 8 | 16 | 7 | | | | | | 0.9424 |
| | | | | | | | | | 0.8711 |
| ETHYLENE-OXIDE | 8 | 15 | | | | | | | 0.8711 |
| | | | | | | | | | SAME AS BUTYL CELLOSOLVE |
| | | | | | | | | | MAGNETIC DRIVE REQUIRED |
| | | | | | | | | | HIGHLY FLAMMABLE - NO LEAKS TOLERATED |
| | | | | | | | | | PH=7 |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|----|---------------------------|------|--------|------------------|------------|------|--------------------|---|
| | 8 | 15 | 30 | BUNA | TEFLON | | | | | |
| ETHYLENE-VINYL-ACETATE | 8 | | | | | N/A | 1500 | 7000 | N/A | |
| ETHYLENEDIAMINE-(QUADROL) | 4 | 8 | | Y | Y | 0.9 | 1 | 30 | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| ETHYLHEXOIC-ACID | 8 | | | Y | Y | 0.9077 | N/A | N/A | N/A | |
| FATTY-ACIDS | 8 | 27 | 15 | 30 | Y | 0.84 | N/A | N/A | N/A | IF CLASS 27 SELECTED MILD CORROSION MAY OCCUR DEPENDING ON SPECIFIC FATTY ACID |
| FATTY-AMINE-(ASPHALT-ADDITIVE) | 8 | | | Y | | 0.96 | 800 | 4000 | N/A | ALUMINUM CLASS 15 & 30 SHOULD NOT BE SPECIFIED IF FATTY ACID IS ANHYDROUS & BEING HANDLED AT THEIR BOILING POINT CLASS 08 USE TEFLON BEARING INSERT'S |
| FERRIC-CHLORIDE-(AQUEOUS) | NR | | | | | 2.8 | N/A | N/A | N/A | NOT RECOMMENDED |
| FERRIC-HYDROXIDE | NR | | | | | 3.4 | N/A | N/A | N/A | NOT RECOMMENDED |
| FERRIC-NITRATE | NR | | | | | 1.684 | N/A | N/A | N/A | STAINLESS STEEL EXCELLENT |
| FERRIC-SULFATE | NR | | | | | 3.097 | N/A | N/A | N/A | NOT RECOMMENDED |
| FERRIC-SULPHATE-ACID-40% | 8 | | | Y | | 2.1 | N/A | N/A | N/A | NOT RECOMMENDED |
| FERROUS-CHLORIDE-(AQUEOUS) | NR | | | | | 1.93 | N/A | N/A | N/A | ALUMINUM EXCELLENT UP TO 10% CONCENTRATION |
| FERROUS-SULPHATE | 8 | | | Y | Y | 1.89 | N/A | N/A | N/A | AT 70 F STAINLESS STEEL GOOD |
| FERTILIZER--10-10-10 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | |
| FERTILIZER--3-18-18 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | |
| FERTILIZER--5-15-15 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | |
| FERTILIZER-(SEE-NOTES) | 8 | | | Y | Y | N/A | N/A | N/A | N/A | 42.2% AMMONIA NITRATE; 32.7% UREA; 25.1% WATER |
| FERTILIZER-(SUSPENSIONS) | 47 | 27 | | Y | Y | N/A | N/A | N/A | N/A | CLASS 27 IS O.K. UP TO A 12% CLAY CONCENTRATION |
| FERTILIZER---OLIN-0-14-0 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | 12% TO 40% CONCENTRATION USE CLASS 47 FILL COVERS |
| FERTILIZER-10-34-0 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | WITH GREASE-PLUG BLEED HOLES AND DERATE METER AS FOLLOWS: UP TO 30% OPERATE AT 60% OF RATED CAPACITY UP TO 40% OPERATE @ 30% OF RATED CAPACITY. |
| FERTILIZER-16-4-4 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | |
| FERTILIZER-4-10-10 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | |
| FERTILIZER-9-18-9 | 27 | 47 | | Y | Y | N/A | N/A | N/A | N/A | USED AS FIREFOAMING AGENT |
| FIRE-TROL-103 | 8 | | | Y | Y | 1.025 | 50 | 260 | N/A | PH-9.0 TO 9.5 |
| FISH-EMULSION | 8 | | | Y | Y | N/A | N/A | N/A | N/A | USE UNPLATED ROTOR SLEEVES |
| FISH-OIL | 3 | 14 | 37 | 8 | Y | 0.93 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| FLACK-SEED-OIL | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| FLEXON | 1 | 14 | 37 | | Y | N/A | N/A | N/A | N/A | TRADEMARK FOR A SERIES OF PETROLEUM PROCESS OILS MAINLY USED AS COMPOUNDING AND EXTENDER OILS IN SYNTHETIC RUBBER AND RESINS. |
| FLUORINE | NR | | | | | 1.3 | N/A | N/A | N/A | NOT RECOMMENDED |
| FLUROSILICIC-ACID | NR | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| FLUX-(SEE-NOTES) | 7 | 8 | | | Y | N/A | N/A | N/A | N/A | USED IN ASPHALT MANUFACTURING |
| FORMALDEHYDE | 4 | 20 | 8 | | Y | 1.1 | 1 | 30 | N/A | METERING TEMPERATURE 400 DEG F STEAM JACKET & HEAT EXTENSION |
| FORMALDEHYDE-MIXTURE | 4 | 8 | | Y | | N/A | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| FORMALIN | 4 | 20 | 8 | | Y | 0.82 | 1 | 30 | N/A | CLASS 4 ALUMINUM GOOD TO 158 F (70C) 37 TO 50 % SOLUTIONS ARE COMMERCIALY AVAILABLE ALSO KNOWN AS FORMALIN |
| | | | | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | RECOMMENDED SEAL MATERIAL | | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|---------------------------|--------|-------|-------|------------------|------------|-----|---|------|
| | | BUNA | TEFLON | VITON | OTHER | | | | | |
| FORMATION-WATER | NR | | | | | | | | FORMATION WATER MIGHT CONTAIN SOLIDS, WHICH CAN CAUSE GALLING AND FAILURE IN OUR PD METER. ELECTROMAGNETIC METER CAN BE USED FOR THIS APPLICATION. | |
| FORMIC-ACID | 8 | | Y | | | 1.22 | N/A | N/A | | |
| FREON-11-B | 10 | | Y | Y | | 1.48 | 60 | 300 | N/A | |
| FREON-ANHYDROUS--11 | 10 | Y | Y | Y | | 1.56 | N/A | N/A | 0.0008 | |
| FREON-ANHYDROUS--112 | 10 | Y | Y | Y | | 1.46 | N/A | N/A | 0.0007 | |
| FREON-ANHYDROUS--113 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS--114 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS--114B2 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS--115 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS--12 | 10 | Y | Y | Y | | 1.31 | N/A | N/A | 0.0014 | |
| FREON-ANHYDROUS--13 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS--13B1 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS--14 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS--21 | 10 | Y | Y | Y | | N/A | N/A | N/A | 0.0018 | |
| FREON-ANHYDROUS--22 | 10 | Y | Y | Y | | 1.19 | N/A | N/A | 0.0017 | |
| FREON-ANHYDROUS--C318 | 10 | Y | Y | Y | | N/A | N/A | N/A | N/A | |
| FREON-ANHYDROUS-113 | 10 | Y | Y | Y | | 1.56 | N/A | N/A | 0.0007 | |
| FREON-R134A | 10 | Y | Y | Y | | | | | REPLACES R12 REFRIGERANT BUNA BETTER AT LOW TEMP. THAN VITON | |
| FREON-R410A | 10 | Y | Y | Y | | 1.066 | | | REPLACES R22 REFRIGERANT | |
| FUEL-OIL-#1 | 1 | 16 | 20 | 7 | Y | Y | 1.9 | 34 | 0.0005 | |
| FUEL-OIL-#2 | 1 | 16 | 20 | 7 | Y | Y | 0.85 | | ALSO CALLED PURON AND SUVA 9100 CLASS 20 USE STAINLESS STEEL TIMING GEARS | |
| FUEL-OIL-#3 | 1 | 16 | 20 | 7 | Y | Y | 0.87 | | ALSO SEE DIESEL APPLICATIONS | |
| FUEL-OIL-#4 | 1 | 16 | 20 | 7 | Y | Y | 0.9 | | CLASS 20 USE STAINLESS STEEL TIMING GEARS | |
| FUEL-OIL-#5 | 1 | 16 | 20 | 7 | Y | Y | 0.95 | 105 | 0.0005 | |
| FUEL-OIL-#6 | 1 | 16 | 20 | 7 | Y | Y | 0.9 | N/A | 0.0005 | |
| FUEL-OIL-(BOILER-FEED-BYPASS) | 14 | 37 | | | Y | Y | 0.97 | 50 | 0.0005 | |
| FUEL-OIL--RESIDUAL | 14 | 37 | | | Y | Y | N/A | N/A | N/A | |
| FUEL-OIL-WITH-3.5%-SULFUR | 37 | | | | Y | Y | N/A | 500 | N/A | |
| FULTIME-HERBICIDE | 30 | 15 | 27 | 8 | Y | Y | 1.155 | 260 | 1280 | |
| FUMIGANT--INSECTICIDE | 30 | 15 | 27 | 8 | Y | Y | N/A | N/A | N/A | |
| FUNDAL | 8 | | | | Y | Y | N/A | N/A | N/A | |
| FURAN-RESIN | 16 | 7 | 8 | | Y | Y | 0.938 | N/A | N/A | |
| FURFURYL-ALCOHOL | 16 | 7 | 20 | 8 | Y | Y | 1.1598 | N/A | N/A | |
| GASOHOL-10%-ETHANOL | 1 | 16 | 7 | 20 | N | Y | 1.1285 | N/A | N/A | |
| | | | | | | | 0.72 | | 0.0006 | |
| | | | | | | | | | NO INFO. AVAILABLE ON VISCOSITY IF THE CONTENT OF ETHANOL IS MORE THAN 15% USE CLASS 7. | |
| | | | | | | | | | CAST IRON. | |
| | | | | | | | | | SOFT MATERIALS SUCH AS ALUMINUM MAY DISSOLVE IN THE FUEL | |
| | | | | | | | | | WHEN THEY COME IN CONTACT WITH ETHANOL. | |
| | | | | | | | | | BUNA-N IS NOT RECOMMENDED FOR SEALS, BUT OK IN GASKETS | |
| GASOLINE--AVIATION | 2 | | | | Y | Y | 0.71 | 30 | 0.0005 | |
| GASOLINE--LEADED | 1 | 16 | 7 | 20 | Y | Y | N/A | N/A | 0.0006 | |
| GASOLINE--MOTOR | 1 | 16 | 7 | 20 | Y | Y | N/A | N/A | 0.0006 | |
| GASOLINE--NATURAL | 1 | 16 | 7 | | Y | Y | N/A | N/A | N/A | |
| GASOLINE--NATURAL-SEE-NOTES | 10 | | | | Y | Y | N/A | N/A | N/A | |
| | | | | | | | | | CONSISTS OF: 23% ETHANE, 39% PROPANE, 16% GASOLINE AND 20% BUTANE | |
| GASOLINE--POLYMERIZED | 1 | 16 | 7 | | Y | Y | N/A | N/A | 0.0006 | |
| GASOLINE--SOUR | 1 | 16 | 7 | | Y | Y | N/A | N/A | 0.0006 | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|---------|---------------------------|--------|-------|------------------|------------|-----|--------------------|---|
| | 1 | 2 | BUNA | TEFLON | VITON | | | | | |
| GASOLINE-UNLEADED | 1 | 16 7 20 | Y | Y | Y | 0.75 | 1.5 | 33 | 0.0006 | PH-7 ADDITIVE IS UP TO 10% ETHANOL OR UP TO 15% MTBE CLASS 8 USE TEFLON INSERT BEARINGS |
| GLUCOSE | 3 | 14 37 8 | Y | Y | Y | 1.54 | N/A | N/A | N/A | GRAPE SUGAR AND CORN SUGAR CLASS 8 USE TEFLON INSERT BEARINGS |
| GLUE-(SEE-NOTES) | 15 | 27 8 | | Y | | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| GLYCERIN--CRUDE | 16 | 7 8 | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| GLYCERIN-OR-GLYCEROL | 16 | 7 20 8 | Y | Y | Y | 1.265 | N/A | N/A | 0.0003 | CLASS 8 USE TEFLON INSERT BEARINGS |
| GLYCEROL-MONOSTEARATE | 15 | 8 | Y | Y | Y | 0.97 | 29 | 145 | N/A | SAME AS ETHYLENE GLYCOL CLASS 1 OR 16 FOR WTS. & MEAS. APPLICATIONS |
| GLYCOL | 1 | 16 7 | Y | Y | Y | 1.1155 | N/A | N/A | N/A | FOR OVER 180 F USE CLASS 14 OR 04 |
| GLYCOL-&WATER-SOLUTION | 1 | 14 16 4 | Y | Y | Y | 1.115 | N/A | N/A | N/A | CLASS 1 OR 16 FOR WTS. & MEAS. APPLICATIONS |
| GLYCOL-70-90%-W/30-10%-WATER | 1 | 16 14 4 | Y | Y | Y | 1.115 | N/A | N/A | N/A | FOR OVER 180 F USE CLASS 14 OR 04 |
| GLYCOL-ESTER-OF-(SEE-NOTES) | 16 | 7 8 | Y | Y | Y | N/A | 24 | 120 | N/A | BENZOIC ACID & ISOBUTYRIC ACID |
| GLYCOL-ETHERS-AND | 7 | 8 | Y | Y | | N/A | N/A | N/A | N/A | PETROLUEN NAPHTHA CHLORINATED SOLVENTS AND KETONES ALL PRODUCTS THROUGH ONE METER |
| GLYCYL-ALCOHOL | 16 | 7 8 | Y | Y | Y | 1.2653 | N/A | N/A | N/A | CARBON INSERT BEARING PLATES ALSO SEE GLYCERIN & GLYCEROL |
| GLYFOS | 8 | | Y | Y | | 1.16 | 43 | 230 | | GLYPHOSATE HERBICIDE PH-4.5 |
| GRAIN-ALCOHOL | 16 | 7 8 | Y | Y | Y | 1.2 | N/A | N/A | 0.0005 | DO NOT USE WITH IRON, GALVANIZED, OR UNLINED STEEL CL 8 USE TEFLON INSERT BEARINGS |
| GRAPE-&APPLE-CONCENTRATE | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | SAME AS ETHYL ALCOHOL |
| GRAPE-JUICE | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| GRAPE-JUICE-CONCENTRATE | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| GRAPEFRUIT-JUICE | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| GRAPEFRUIT-JUICE-CONCENTRATE | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| GREASE | 1 | 14 | Y | Y | Y | N/A | N/A | N/A | N/A | |
| GREEN-SULFATE-LIQUOR | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | VISCOSITY @ 70 C (158 F): 7000 Centipoise |
| HAZELNUT-PASTE | 8 | | Y | Y | Y | 1.1 | | | | 6,364 Centistokes |
| HEPTANE | 16 | 7 8 | Y | Y | Y | 0.6968 | N/A | N/A | 0.0006 | FLAMMABLE LIQUID (USED AS SOLVENT) |
| HEXANE | 16 | 7 8 | Y | Y | Y | 0.6734 | 0.3 | 29 | 0.0007 | PH-9 (5% CONCENTRATION IN DI WATER) |
| HYDRASOL-LW18Z | 1 | | Y | Y | Y | 0.892 | 43 | 225 | | MINING FLUID EMULSION CONCENTRATE EMULSION RATIO 3 TO 5 PERCENT |
| HYDRAULIC-OIL | 1 | 16 7 | Y | Y | Y | N/A | N/A | N/A | N/A | |
| HYDROCARBON-RESIN-265-DEGREE-F | 14 | 37 | Y | Y | Y | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| HYDROCHLORIC-ACID | NR | | | | | 1.19 | N/A | N/A | N/A | USE TEFLON SEALS AND INSERT BEARINGS PH LESS THAN 1 (ONE) USE ONLY IF SS316 PUMPS, PIPING, TANKS, ETC. ARE OK |
| HYDROFLUORO-ZIRCONIC-ACID | 8 | | Y | Y | Y | | | | | NOT RECOMMENDED MUST BE PASSIVATED AS PER DUPONT SPECIFICATIONS |
| HYDROGEN-(CRYOGENIC-LIQ.) | NR | | | | | N/A | N/A | N/A | N/A | STAINLESS STEEL 316 IS RATED AS A CLASS 2 |
| HYDROGEN-PEROXIDE | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | MATERIAL ON HYDROGEN PEROXIDE: THIS MEANS SHORT-TIME TRANSFER CONTACT WITH PEROXIDE. |
| INK--CARBON-BLACK-(SEE-NOTES) | 37 | | Y | Y | Y | N/A | N/A | N/A | N/A | GLANDLESS PIG. ORING SEALS & FIBREGLASS/TEFLON BRGS. 20% RESIN, 20% CARBON BLACK, 60% MINERAL OIL |
| INK--NEWSPAPER-PRINTING | 37 | | Y | Y | Y | N/A | N/A | N/A | N/A | OPERATION AT 30% OF RATED CAPACITY OR LESS RECOMMENDED FOR EXTENDED SERVICE LIFE... VISCOSITY MAY VARY DO |
| INK--PRINTING | 1 | | Y | Y | Y | N/A | N/A | N/A | N/A | NOT EXCEED 8 PSI PRESSURE LOSS SEE INK - CARBON BLACK OPERATION AT 30% OF RATED CAPACITY OR LESS RECOMMENDED FOR EXTENDED SERVICE LIFE |
| | | | | | | | | | | VISCOSITY MAY VARY ...DO NOT EXCEED 8 PSI PRESSURE LOSS |

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|-------------------------|-------------------------|---------------------------|--------|-------|------------------|------------|--------|---|------|
| | | BUNA | TEFLON | VITON | | | | | |
| INK--ROTO-GRAVURE | 1 | | Y | | N/A | N/A | N/A | | |
| INK--VARNISH | 37 | | Y | | N/A | N/A | N/A | CONTAINS SOLVENTS AND PIGMENT OPERATION AT 30% OF RATED CAPACITY OR LESS RECOMMENDED FOR EXTENDED SERVICE LIFE | |
| INK-PUBLISHERS-GRAVURE | 1 | | Y | Y | N/A | N/A | N/A | SEE INK - ROTOGRAVURE | |
| INSECTI-SOL | 16 7 8 | | Y | Y | 0.784 | N/A | N/A | CARBON BEARING PLATE INSERTS | |
| IODINE | NR | | | | 4.98 | N/A | N/A | HARD CHROME ROTOR SLEEVES | |
| IRON-OXIDE-SLURRY | NR | | | | N/A | N/A | N/A | NOT RECOMMENDED | |
| ISO-BUTANE-LIQUID | 10 | Y | Y | Y | 0.56 | N/A | N/A | NOT RECOMMENDED | |
| ISO-BUTANOL | 16 7 8 | Y | Y | Y | 0.806 | N/A | 0.0006 | ALUMINUM EXCELLENT. | |
| | | | | | | | | SAME AS: ISOBUTYL ALCOHOL | |
| ISO-BUTYL-ACETATE | 16 7 8 | | Y | Y | 0.8685 | N/A | 0.0006 | | |
| ISO-BUTYL-ALCOHOL | 16 7 8 | Y | Y | Y | 0.806 | N/A | 0.0005 | ALUMINUM EXCELLENT. | |
| | | | | | | | | SAME AS ISO-BUTANOL* | |
| ISO-BUTYL-KETONE | 16 7 8 | | Y | Y | N/A | N/A | N/A | | |
| ISO-HEXANOL | 16 7 8 | Y | Y | Y | 0.818 | N/A | N/A | | |
| ISO-PHORONE | 16 | | Y | Y | 0.9229 | 2.62 | N/A | TEFLON AND EPDM SEALS ARE GOOD | |
| | | | | | | | | KALREZ RECOMMENDED FOR T>70 F | |
| ISOBUTYL-ISOBUTYRATE | 16 7 8 | | Y | Y | 0.857 | N/A | N/A | TOXIC BY INHALATION | |
| ISOCYANATE | 8 | | Y | Y | 1.2 | N/A | 0.0008 | ALSO SEE TOLUENE DIISOCYANATE | |
| | | | | | | | | VISCOSITY FROM 38 TO 750 SSU | |
| | | | | | | | | ISOCYANATES ARE SLIGHTLY CORROSIVE TO COPPER AND ALUMINUM. | |
| | | | | | | | | COPPER, ZINC, AND IRON ALLOYS CAUSE PRODUCT DETERIORATION | |
| ISOCTANE | 1 16 7 | | Y | Y | 0.6919 | N/A | N/A | | |
| ISOPARAFFINIC-SOLVENT | 8 | Y | Y | Y | 0.82 | 9 | 60 | PETROLEUM DRY CLEANING SOLVENT | |
| | | | | | | | | USE CARBON BEARINGS AS TEFLON SWELLS | |
| ISOPENTANE | 10 | | Y | Y | 0.6196 | N/A | N/A | | |
| ISOPHORONE-DIISOCYANATE | 7 8 | | Y | Y | 1.06 | 15 | 80 | PRODUCT NAME IS VESTANAT | |
| ISOPROPANOL | 7 8 | Y | Y | Y | 0.7863 | N/A | N/A | UP TO 90% CONCENTRATION AND 70 F ALUMINUM GOOD | |
| | | | | | | | | LEGAL NAME FOR ISOPROPYL ALCOHOL | |
| | | | | | | | | EVIDENCE OF GALVANIC CORROSION ON ALUMINUM IN CONTACT WITH CHROMIUM COATING (ARMOLLOY) IN PRESENCE OF ISOPROPYL ALCOHOL. | |
| ISOPROPANOLAMINE | 16 7 8 | | Y | Y | 0.8619 | N/A | N/A | | |
| ISOPROPYL-ACETATE | 16 7 8 | | Y | Y | 0.87 | 1 | 30 | 0.0007 | |
| ISOPROPYL-ALCOHOL | 7 8 | Y | Y | Y | 0.8 | 2 | 34 | 0.0005 | |
| | | | | | | | | SAME AS ISOPROPANOL | |
| | | | | | | | | EVIDENCE OF GALVANIC CORROSION ON ALUMINUM IN CONTACT WITH CHROMIUM COATING (ARMOLLOY) IN THE PRESENCE OF ISOPROPYL ALCOHOL | |
| ISOPROPYL-BENZENE | 16 7 8 | | Y | Y | 0.862 | N/A | N/A | | |
| ISOPROPYLAMINE | 8 7 | | Y | Y | 0.688 | N/A | N/A | SAME AS CUMENE | |
| JET-A | 2 | Y | Y | Y | 0.85 | | | COMMERCIAL AIRLINE FUEL | |
| | | | | | | | | FREEZE POINT -40 F | |
| | | | | | | | | ALSO SEE JET-A1 FUEL | |
| JET-A1 | 2 | Y | Y | Y | 0.804 | 3.5 | 37 | COMMERCIAL AIRLINE FUEL | |
| | | | | | | | | FREEZE POINT -53 F | |
| | | | | | | | | ALSO SEE JET-A FUEL | |
| JET-B | 2 | Y | Y | Y | 0.775 | | | NO INFO. AVAILABLE ON COEFF. OF THERMAL EXPANSION | |
| | | | | | | | | ALSO CALLED NATO F40 AND JP4. | |
| | | | | | | | | BLEND OF GASOLINE/KEROSENE. | |
| | | | | | | | | FREEZE POINT -77 F. | |
| | | | | | | | | CONTAINS ANTI-STATIC ADDITIVE FOR FIRE SAFETY. | |
| | | | | | | | | NO INFO. AVAILABLE ON FIELDS 6-8 | |
| JET-JP4 | 2 | Y | Y | Y | 0.775 | | | SEE JET-B | |
| | | | | | | | | NO INFO. AVAILABLE ON FIELDS 6-8 | |
| JET-JP8 | 2 | Y | Y | Y | 0.81 | 8 | 50 | ALSO CALLED NATO F-34. | |
| | | | | | | | | SIMILAR TO JET-A1, BUT CONTAINS ICING, CORROSION, AND ANTI-STATIC ADDITIVES. | |
| | | | | | | | | NO INFO. AVAILABLE ON COEFF. OF THERMAL EXPANSION | |

| LIQUID TO BE METERED | | RECOMMENDED METER CLASS | | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|----|-------------------------|----|----|---------------------------|--------|-------|------------------|------------|-------|--------------------|--|
| | | 16 | 7 | 20 | BUNA | TEFLON | VITON | | | | | |
| KEROSENE-K1 | 1 | 16 | 7 | 20 | Y | Y | Y | 0.8 | 2 | 34 | 0.0005 | CL-20 USE SS GEARS |
| KETCHUP | 8 | | | | | Y | Y | N/A | N/A | N/A | N/A | STAINLESS STEEL EXCELLENT NO APPLICATION IF FOR HUMAN CONSUMPTION |
| KRONITEX--SEE-NOTES | 7 | 8 | | | | Y | | N/A | N/A | N/A | N/A | TRADE NAME FOR: TRICRESYL PHOSPHATE |
| LACQUER | 14 | 37 | 15 | 27 | | Y | Y | 0.9 | N/A | N/A | N/A | VISCOSITY RANGE FROM 100 TO 100,000 SSU OPERATION AT REDUCED FLOW RATES RECOMMENDED CONSULT FACTORY FOR METER SIZE BASED ON FLOW AND VISCOSITY |
| LACTAM | 8 | | | | | Y | | N/A | N/A | N/A | N/A | |
| LACTOL-SPIRITS | 16 | 7 | 8 | | | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LANOLIN | 3 | 14 | 37 | 8 | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LARD | 3 | 14 | 37 | 8 | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LARD-OIL | 3 | 14 | 37 | 8 | Y | Y | Y | 0.915 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LASSO--HERBICIDE | 30 | 15 | 27 | 8 | Y | Y | Y | N/A | N/A | N/A | N/A | M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15, M-7 MAX. 60 GPM M-15 MAX. 90 GPM |
| LASSO-ME--HERBICIDE | 30 | 15 | 27 | 8 | | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS HERBICIDE |
| | | | | | | | | | | | | M-5 USE CLASS 30...MAX. 25 GPM |
| | | | | | | | | | | | | M-7 AND M-15 USE CLASS 15, M-7 MAX. 60 GPM |
| | | | | | | | | | | | | M-15 MAX. 90 GPM |
| | | | | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| LATA--AKALINE | 27 | 8 | | | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LATEX | 15 | 27 | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LATEX-(AMMONIA-FORMALDEHYDE) | 15 | 27 | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LATEX--ADDITIVE-FOR-CONCRETE | 15 | 27 | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LATEX-EMULSIONS | 15 | 27 | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS EXAMPLE ROHM & HAAS AC-234 |
| | | | | | | | | | | | | SHEN SENSITIVE LIQUID...SEE ICC BULLETIN 271 WHEN SELECTING CLASS 8 SPECIFY THE INSERT BEARINGS |
| | | | | | | | | | | | | EXTRA DRAIN HOLES IN COVERS RECOMMENDED FOR FLUSHING |
| | | | | | | | | | | | | OPERATION AT 3RD OF RATED CAPACITY OR LESS RECOMMENDED |
| LAURIC-ACID | 4 | 8 | | | Y | Y | Y | 0.833 | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| LC-40-RHOPLEX | 15 | 27 | 8 | | Y | Y | Y | 1.07 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| LEAD-ACETATE-SOLUTION | 8 | | | | Y | Y | Y | 2.5 | N/A | N/A | N/A | RAW MATERIAL FOR PAINT |
| LEAD-OCTATE | 15 | 8 | | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| LEMON-JUICE | 8 | | | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| LIGNIN-SULFONATE | 1 | | | | Y | Y | Y | 1.2 | 2000 | 10000 | N/A | WOOD MOLASSES D(+)-XYLOSE |
| LIGNUM-SULPHONATE-(SEE-NOTES) | 1 | | | | Y | Y | Y | 1.525 | N/A | N/A | N/A | |
| LIME-SLURRY-35% | 7 | 8 | | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| LINEAR-ALKYLBENZENE | 16 | | | | N | Y | Y | 0.854 | 18 | | 0.00053 | |
| LINEARALKYLBENZENE | 16 | | | | N | Y | Y | 0.854 | 18 | | 0.00053 | |
| LINSEED-OIL | 1 | 14 | 37 | | Y | Y | Y | 0.95 | N/A | N/A | N/A | VISC. 1000 TO 7500 SSU IN ITS RAW OR REFINED STATE DO NOT EXCEED 4 PSI PRESSURE LOSS ON CLASS 27 OR 8 |
| LIQUID-FEED | 37 | 27 | 8 | | Y | Y | Y | 1.2 | N/A | N/A | N/A | VISCOSITY MAY EXCEED 100,000 SSU...SOME LIQUID FEEDS ARE VERY ABRASIVE- EXAMPLE PURINA'S SUPPER LIX WHICH REQUIRES EXTRA DRAINS IN TOP OF COVERS, PLUG BLEED HOLES IN HOUSING & COVERS FILLED WITH EDIBLE GREASE BY CUSTOMER DO NOT EXCEED 4 PSI PRESSURE LOSS ON CLASS 27 & 8 SEE TEXT NOTES ON "LIQUID FEED" REGARDING VISCOSITY AND POSSIBLE ABRASIVE CONTENT |
| LIQUID-FEED-SUPPLEMENT | 37 | 27 | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | |
| LIQUID-GAS--NATURAL | NR | | | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| LIQUID-NITROGEN-CRYOGENIC | NR | | | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| LIQUID-OXYGEN-CRYOGENIC | NR | | | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| LNG-LIQUIFIED-NATURAL-GAS | NR | | | | | | | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| LOROX--HERBICIDE | 30 | 15 | 27 | 8 | | Y | Y | N/A | N/A | N/A | N/A | HERBICIDE M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15, M-7 MAX. 60 GPM |
| | | | | | | | | | | | | M-15 MAX. 90 GPM |
| | | | | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | | SPECIFIC GRAVITY | CENTIPOSE | SSU | COEFF OF EXPANSION | TEXT |
|---------------------------------|-------------------------|--------|---------------------------|--------|-------|-------|------------------|-----------|------|--------------------|--|
| | | | BUNA | TEFLON | VITON | OTHER | | | | | |
| LUBE-OIL | 1 | 14 37 | Y | Y | Y | | 0.9 | N/A | N/A | 0.0004 | VISC. VARIES 1000-3500 SSU (200-730 CP) |
| LUBRICATING-OILS--REFINED | 1 | 14 37 | Y | Y | Y | | 0.9 | N/A | N/A | 0.0004 | VISC. VARIES 1000-3500 SSU (200-730 CP) |
| LYE ---POTASSIUM-HYDROXIDE | 37 | 7 8 | | Y | | | N/A | N/A | N/A | N/A | STAINLESS STEEL EXCELLENT AVOID DISSIMILAR METALS |
| MAGNESIUM-CHLORIDE-AQUEOUS | 8 | | Y | Y | Y | | 1.56 | N/A | N/A | N/A | M3CL2 6H2O |
| MAGNESIUM-HYDROXIDE-SOLUTION | 37 | 7 20 8 | | Y | Y | | 2.36 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| MAGNESIUM-NITRATE-(AQUEOUS) | 8 | | Y | Y | Y | | 1.46 | N/A | N/A | N/A | CAST IRON & STAINLESS STAINLESS STEEL EXCELLENT UP TO 50% CONCENTRATION AND 70 F. ALUMINUM GOOD AVOID DISSIMILAR METALS |
| MAGNESIUM-SULFATE-(EPSOM)-SALTS | 4 | 7 20 8 | Y | Y | Y | | 1.678 | N/A | N/A | N/A | AVOID DISSIMILAR METALS UP TO 70% CONCENTRATION & 200 F. ALUMINUM EXCELLENT CAST IRON EXCELLENT IN ALL CONCENTRATIONS PH 7.0 |
| MALATHION-PESTICIDE | 8 | 15 30 | | Y | | | 1.2315 | | | | |
| MALEIC-ACID | 8 | | | Y | Y | | 1.59 | N/A | N/A | N/A | |
| MALEIC-ANHYDRIDE | 15 | 8 | | Y | Y | | 0.934 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS 36 SSU AT 168 DEGREES F. ALUMINUM EXCELLENT |
| MANGANESE-CHLORIDE | 8 | | | Y | | | 2.98 | N/A | N/A | N/A | CONCENTRATION NO MORE THAN 20% AND 70 F. OTHERWISE USE STAINLESS STEEL |
| MANGANESE-SULFATE | 7 | 8 | | Y | Y | | 2.107 | N/A | N/A | N/A | MNCL2 |
| MAYONNAISE | 8 | | | Y | | | N/A | 2000 | 9400 | N/A | |
| MDI | 8 | | | Y | Y | | 1.197 | N/A | N/A | N/A | METHYLENE DIPHENYLMETHANE, ISOCYANATE, DI-PARA-PHENYLENE |
| MELAMINE-&-FORMALDEHYDE | 7 | 8 | | Y | | | 1.573 | N/A | N/A | N/A | ISOCYANATES ARE SLIGHTLY CORROSIVE TO COPPER AND ALUMINUM. COPPER, ZINC, AND IRON ALLOYS CAUSE PRODUCT DERIORATION. |
| MELAMINE-FORMALDEHYDE-RESIN-W/ | 27 | 8 | | Y | | | 1.573 | N/A | N/A | N/A | TRADE NAME: MONDUR M (BAYER) |
| MELAMINE-RESINS | 27 | 8 | | Y | | | 1.573 | N/A | N/A | N/A | FORMALIN CLASS 8 USE TEFLON INSERT BEARINGS |
| MERCAPTAN | 16 | 8 | Y | Y | | | 0.85 | 3 | 36 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS NOW REFERRED TO AS THOLS IN COMPOUNDS |
| MERCURIC-CHLORIDE-(AQUEOUS) | NR | | | Y | | | 5.44 | N/A | N/A | N/A | NOT RECOMMENDED |
| MERCURIC-CYANIDE-(AQUEOUS) | NR | | | Y | | | 4.01 | N/A | N/A | N/A | NOT RECOMMENDED |
| MERCUROUS-NITRATE, HYDRATED | NR | | | Y | | | 4.785 | N/A | N/A | N/A | NOT RECOMMENDED |
| METACETONE | 16 | 7 8 | | Y | | | 0.816 | N/A | N/A | N/A | SAME AS DIETHYL KETONE |
| METHANE | 10 | | | Y | Y | | 0.554 | N/A | N/A | N/A | |
| METHANOIC-ACID | 8 | | | Y | | | 1.22 | N/A | N/A | N/A | SAME AS FORMIC ACID |
| METHANOL | 16 | 7 20 8 | Y | Y | Y | Y | 0.79 | 1 | 30 | 0.0007 | SAME AS METHYL-ALCOHOL ASSUMES NO WATER PRESENT ... ONLY METHANOL KALREZ OK, VITON NOT RECOMMENDED |
| METHANOL/WATER-MIXTURE | 20 | 8 | Y | Y | Y | | | | | | SAME AS METHYL-ALCOHOL AVOID DISSIMILAR MATERIALS |
| METHOXYPROPANOL | 16 | 7 8 | Y | Y | Y | | 0.924 | 2.21 | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS VITON SEALS NOT RECOMMENDED SAME AS METHYL ALCOHOL/WATER MIXTURE AVOID DISSIMILAR MATERIALS |
| METHYL-ACETATE | 16 | 7 8 | | Y | | | 0.9243 | N/A | N/A | 0.0007 | OTHER NAMES: 1-METHOXY-2-PROPANOL, PROPYLENE GLYCOL METHYL ETHER, PGME, ALPHA ISOMER. |
| METHYL-ACETYLENE-PROPANOL | 16 | 10 7 8 | | Y | | | 0.7 | | | | OXYGENATED SOLVENT. FLAMMABLE. PRODUCT FAMILY: GLYCOL ETHER. |
| METHYL-ACRYLATE | 4 | 8 | | Y | | | 0.96 | 1 | 30 | | BUNA & VITON SEALS NOT RECOMMENDED BOILING POINT -23C OR -9F METHYL ESTER OF ACRYLIC ACID CLASS 4 USE SS316 TIMING GEARS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|---------------------------------|-------------------------|----|----|---------------------------|------|--------|------------------|------------|-----|--------------------|--|
| | 16 | 7 | 20 | 8 | BUNA | TEFLON | | | | | |
| METHYL-ALCOHOL | | | | | Y | | 0.7924 | 1 | 30 | 0.0007 | ASSUMES NO WATER PRESENT... ONLY METHYL-ALCOHOL KALREZ OK. VITON NOT RECOMMENDED SAME AS METHANOL AVOID DISSIMILAR MATERIALS CLASS 20 USE STAINLESS STEEL TIMING GEARS VITON SEALS NOT RECOMMENDED SAME AS METHANOL/WATER MIXTURE AVOID DISSIMILAR MATERIALS CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| METHYL-ALCOHOL/WATER-MIXTURE | 20 | 8 | | Y | | Y | | | | | ALSO CALLED CHLOROMETHANE VISCOSITY .28 Cp AT -20 C (-4 F) DO NOT USE ANY ALUMINUM COMPONENTS SAME AS 1,1,1-TRICHLOROETHANE ALSO KNOWN AS MEK. EP OR EPDM SEALS ARE THE MOST COMPATIBLE. CONSISTS OF: 55% FORMALDEHYDE, 35% METHANOL, AND 10% WATER SAME AS PROPYLENE GLYCOL |
| METHYL-BROMIDE | 7 | 8 | | | | Y | 1.73 | N/A | N/A | N/A | |
| METHYL-CELLOSOLVE | 8 | | | | | Y | 0.9663 | N/A | N/A | N/A | |
| METHYL-CHLORIDE | 7 | 8 | | | Y | Y | 0.92 | 0.28 | N/A | N/A | |
| METHYL-CHLOROFORM | 7 | 8 | | | Y | | 1.325 | N/A | N/A | N/A | |
| METHYL-DIISOCYANATE | 7 | 8 | | | Y | | N/A | N/A | N/A | N/A | |
| METHYL-ETHYL-KETONE | 16 | 7 | 8 | | | Y | 0.82 | 1 | 5 | 0.0007 | |
| METHYL-FORMCEL-(SEE-NOTES) | 7 | 8 | | | | Y | N/A | N/A | N/A | N/A | |
| METHYL-GLYCOL | 1 | 16 | 7 | | Y | Y | 1.038 | N/A | N/A | N/A | |
| METHYL-ISOBUTYL-KETONE-(MIBK) | 16 | 7 | 8 | | | Y | 0.801 | N/A | N/A | N/A | |
| METHYL-METHACRYLATE | 16 | 8 | | | Y | | 0.94 | 6 | 30 | N/A | USE STAINLESS STEEL TIMING GEARS TRADE NAME FOR: ETHYLENE GLYCOL MONOMETHYL ETHER |
| METHYL-OXITOL | 7 | 8 | | | Y | | 0.9663 | N/A | N/A | N/A | |
| METHYL-PENTANE | 16 | 7 | 8 | | Y | Y | 0.65 | 0.3 | 29 | 0.0007 | ALSO CALLED ISOHEXANE BUNA AND VITON EXCELLENT TO 70 F FLAMMABLE LIQUID (USED AS SOLVENT) |
| METHYL-SALICYLATE | 1 | 2 | 3 | | | Y | 1.18 | N/A | N/A | N/A | |
| METHYL-T-BUTYL-ETHER | 16 | 7 | 8 | | | Y | 0.74 | | | | USE STAINLESS STEEL GEARS AND FITTINGS EXTREMELY FLAMMABLE !! USE NON-SPARK TOOLS & EQUIPMENT MTBE IS MADE FROM ISOBUTYLENE & METHANOL PROCESSING GASOLINE AND PETROLEUM FUEL ADDITIVE |
| METHYL-AMYL-ALCOHOL | 16 | 7 | 8 | | Y | Y | 0.8079 | N/A | N/A | 0.0005 | |
| METHYL-BENZENE | 16 | 7 | 8 | | Y | Y | 0.866 | N/A | N/A | N/A | SAME AS TOLUENE PRODUCT MUST BE FREE OF WATER AVOID DISSIMILAR METALS |
| METHYLENE-CHLORIDE | 7 | 8 | | | Y | Y | 1.32 | 0.41 | | 0.0008 | |
| METHYLENE-CHLORIDE-80%,-20% H2O | 7 | 8 | | | Y | | N/A | N/A | N/A | N/A | MUST USE INHIBITOR TO LIMIT FORMATION OF HYDROCHLORIC ACID BY HYDROLYSIS |
| METHYLENE-CHLORIDE-MIX-NOTES | 7 | 8 | | | Y | | 1.335 | 1 | 5 | N/A | CONSISTS OF: 80% METHYLENE CHLORIDE, 15% METHYL ALCOHOL AND 5% ACETONES, BUTYL ALCOHOL, ETC. |
| METHYLENE-DICHLORIDE | 7 | 8 | | | Y | | 1.335 | 1 | 5 | N/A | CARBON BEARING PLATE INSERTS SEE METHYLENE CHLORIDE AVOID DISSIMILAR METALS |
| METHYLENE-DIPHENYL | 7 | 8 | | | Y | Y | N/A | N/A | N/A | N/A | HERBICIDE (SEE DUAL AND BICEF) |
| METOLACHLOR | 30 | 15 | 27 | 8 | | Y | | | | | M-5 USE CLASS 30 ... MAX 25 GPM M-7 AND M-15 USE CLASS 15: M-7 MAX 60 GPM M-15 MAX 90 GPM |
| MICRO-CRYSTALLINE-WAX-SEE-NOTE | 16 | 7 | 8 | | | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS CONTAINS: 50% NAPHTHA & 50% MICRO CRYSTALLINE WAX |
| MINERAL-OIL | 1 | 3 | 7 | 8 | | Y | 0.85 | N/A | N/A | N/A | IF USED IN FOOD PROCESSING SELECT CLASS 3 OR 8 VISC. FROM 100 TO SEVERAL THOUSAND SSU. |
| MINERAL-SEAL-OIL | 1 | 16 | 7 | | | Y | N/A | N/A | N/A | N/A | |
| MINERAL-SPIRITS | 16 | 7 | 20 | 8 | | Y | N/A | N/A | N/A | 0.0006 | DELIRIN OK WITH SOLVENTS ALSO KNOWN AS MTL |
| MINERAL-TURPENTINE-LUSH | 16 | 7 | 8 | | Y | Y | 0.79 | 0.65 | 20 | 0.0006 | CONCRETE ADDITIVE |
| MIRA-70 | 8 | | | | | Y | 1.2 | | | | PH 7-10 AND CONTAINS AMINES AND ACIDS |
| MOLASSES-(FOR-CATTLE-FEED) | 37 | | | | Y | Y | N/A | N/A | N/A | 0.00043 | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|--------|---------------------------|-------|------------------|------------|-----|--------------------|--|
| | BUNA | TEFLON | VITON | OTHER | | | | | |
| MOLASSES-(SUPER-LIX---NOTES | 37 | | | | N/A | N/A | N/A | 0.00043 | RALSTON PURINA) NEED EXTRA DRAIN PLUGS AND PLUGGED BLEED HOLES IN HOUSING |
| MOLASSES-CRUDE-MOTHERS-LIQUOR | 37 | | | | 1.47 | N/A | N/A | N/A | |
| MOLASSES-EDIBLE-BLACK-STRAP | 3 14 37 8 | Y | Y | Y | 1.47 | N/A | N/A | 0.00043 | CLASS 8 USE TEFLON INSERT BEARINGS |
| MOLTEN-MALEIC | 8 | | Y | | 1.32 | N/A | N/A | N/A | NOT RECOMMENDED |
| MONOCHLOROACETIC-ACID | NR | | | | N/A | N/A | N/A | N/A | SAME AS CHLOROBENZENE |
| MONOCHLOROBENZENE | 7 8 | | Y | Y | 1.105 | N/A | N/A | N/A | CAST IRON & STAINLESS STEEL GOOD |
| MONOCHLOROBENZENE-ORTHO-MF | 7 8 | | Y | Y | 1.105 | N/A | N/A | N/A | AND MONOCHLOROBENZENE ORTHO-R |
| MONOETHANOLAMINE | 7 8 | | Y | | 0.689 | N/A | N/A | 0.0004 | PRODUCT MUST BE FREE OF CHLORINE GAS AND H2O |
| MONOETHYLAMINE | 7 4 8 | | Y | | 0.689 | N/A | N/A | N/A | SAME AS: ETHANOLAMINE |
| MONOMER | 15 8 | | Y | Y | N/A | N/A | N/A | N/A | AVOID DISSIMILAR METALS |
| MORPHOLINE, 80%+/-40% | 8 7 | | Y | | 0.994 | N/A | N/A | N/A | ALSO SEE ETHYLAMINE & AMINOETHANE |
| MOTOR-OIL---RECLAIMED | 14 37 | | Y | Y | N/A | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| MTBE | 16 7 8 | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| MURIATIC-ACID | NR | | | | N/A | N/A | N/A | N/A | PH -9 IF H2O PRESENT |
| N-PROPANOL-ALCOHOL | 16 7 8 | Y | Y | Y | 0.804 | N/A | N/A | N/A | CLASS 8 PREFERRED |
| NALCO-9843 | 16 | Y | Y | | 0.885 | N/A | N/A | N/A | CLASS 7 FUNCTIONALLY OK BUT MAY CONTAMINATE |
| NAPHTHA | 16 7 8 | Y | Y | Y | 0.885 | N/A | N/A | N/A | USE TEFLON |
| NAPHTHA-&-XYLENE | 16 7 8 | Y | Y | Y | 0.6 | N/A | N/A | N/A | USE STAINLESS STEEL GEARS AND FITTINGS |
| NAPHTHA-ACID-(NAPHTHIC-ACID) | 8 | | Y | | N/A | N/A | N/A | N/A | EXTREMELY FLAMMABLE !! USE NON-SPARK TOOLS & EQUIPMENT |
| NAPHTHA-VM&P | 16 7 8 | Y | Y | Y | 0.6 | N/A | N/A | N/A | PROCESSED FROM ISOBUTYLENE AND METHANOL |
| NAPHTHALENE | 7 8 | Y | Y | Y | 1.145 | N/A | N/A | N/A | FULL NAME: METHYL-TERTIARY-BUTYL-ETHER |
| NAPHTHENIC-ACID | 8 | | Y | | 2.165 | N/A | N/A | N/A | GASOLINE AND PETROLEUM FUEL ADDITIVE |
| NATRIUM-CHLORIDE-SOLUTIONS | 7 8 | Y | Y | Y | N/A | N/A | N/A | N/A | OBsolete NAME FOR HYDROCHLORIC ACID |
| NEODOL-25 | 16 7 8 | Y | Y | Y | 0.657 | N/A | N/A | N/A | NOT RECOMMENDED |
| NEOHXANE | 16 7 8 | Y | Y | Y | 0.657 | N/A | N/A | N/A | *SAME AS N-PROPYL ALCOHOL |
| NEOPENTYL-GLYCOL | 15 8 | | Y | | 1.066 | N/A | N/A | N/A | COMBINATION OF ALCOHOLS, ALDEHYDES, AND ESTERS |
| NEOSOL---BLENDED-(SEE-NOTES) | 16 7 8 | Y | Y | Y | N/A | N/A | N/A | N/A | ALUMINUM EXCELLENT, CAST IRON GOOD, |
| NICKEL-AMMONIUM-SULFATE | NR | | | | 1.92 | N/A | N/A | N/A | PETROLEUM DERIVATIVE (SUN-ARTIC ACID [B]) |
| NICKEL-CHLORIDE-(AQUEOUS) | 8 | | Y | Y | 1.35 | N/A | N/A | N/A | ALUMINUM EXCELLENT, CAST IRON GOOD, |
| NICKEL-NITRATE | 8 | | Y | Y | 2.065 | N/A | N/A | N/A | *SODIUM CHLORIDE |
| NICKEL-SULFATE-(AQUEOUS) | 8 | | Y | Y | 1.2 | N/A | N/A | N/A | TRADE NAME FOR A C2-C15 LINEAR, PRIMARY ALCOHOL |
| NITRIC-ACID | 8 | | Y | Y | 1.5 | N/A | N/A | N/A | HIGHLY FLAMMABLE, COMPONENT OF HIGH OCTANE |
| NITRIC-ACID-57% | 8 | | Y | Y | 1.5 | N/A | N/A | N/A | MOTOR AND AVIATION FUELS |
| NITRIC-ACID-63% | 8 | | Y | Y | 1.5 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| NITRIC-ACID-69% | 8 | | Y | Y | 1.5 | N/A | N/A | N/A | MIBK, SOL-B, METHANOL AND ETHYL ACETATE |
| NITRIC-ACID-AQUEOUS-10-100% | 8 | | Y | Y | 1.5 | N/A | N/A | N/A | NOT RECOMMENDED |
| NITRIC-ACID-FUMING-(WHITE) | NR | | Y | | 1.5 | N/A | N/A | N/A | STAINLESS STEEL GOOD |
| NITROBENZENE | 7 8 | | Y | | 1.1986 | N/A | N/A | N/A | PITTING MAY OCCUR UNDER CERTAIN CONDITIONS |
| NITROGEN---LIQUID | NR | | Y | | N/A | N/A | N/A | N/A | PITTING MAY OCCUR UNDER CERTAIN CONDITIONS |
| NITROGEN-SOLUTION-32% | 15 | Y | Y | Y | N/A | N/A | N/A | N/A | UP TO 40% CONCENTRATION AND 70 F |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|---------------------------|--------|-------|------------------|------------|--------|--|------|
| | | BUNA | TEFLON | VITON | | | | | |
| NITROGEN-SOLUTIONS-STRAIGHT | 15 | Y | Y | Y | N/A | N/A | 0.0003 | 28% - 30% - 32% AND WATER | |
| NITROPROPANE-1-&-2 | NR | | | | 1.003 | N/A | 0.0005 | NOT RECOMMENDED | |
| NMP-N-METHYLPYRROLIDONE | 8 | N | Y | Y | 1.03 | | | ORGANIC SOLVENT COMPONENT OF LACQUER COATINGS, THINNERS, PAINT REMOVERS, SOLVENT CLEANERS, AND STRIPPER FOR PHOTO RESISTERS. | |
| | | | | | | | | pH = 8-9.5 | |
| | | | | | | | | CARBON STEEL AND NICKEL EQUIPMENT ALSO SUITABLE FOR THIS APPLICATION. | |
| NONYLPHENOL | 8 | | Y | Y | 1.1 | 30 | N/A | NONYLPHENOL ETHOXYLATED (NPE) COMMONLY USED AS SURFACTANT | |
| | | | | | | | | CLASS 8 USE NON-PLATED SS316 SLEEVES | |
| NP-1 | 8 4 | Y | Y | Y | 0.93 | 145 | 715 | USE CLASS 8 WITH CONCENTRATE AND DILUTE | |
| | | | | | | | | USE CLASS 4 ONLY WITH DILUTE - 10% W/WATER | |
| O,O-DIETHYLO-(3,5,6)-NOTES | 8 | | Y | | N/A | N/A | N/A | SAPSTAIN CONTROL WOOD TREATMENT CHEMICAL | |
| | | | | | | | | TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE IN XYLENE AND KEROSENE SOLVENTS | |
| OCTANOIC-ACID-(CAPRYLIC) | 8 | | Y | Y | 0.9105 | N/A | N/A | USE STEEL CASE AND/OR CAST IRON FOR FIRE APPROVAL | |
| OCTANOL | 16 7 8 | | Y | Y | 0.83 | 6.27 | 45 | SAME AS 2-ETHYL HEXANOL | |
| | | | | | | | | USE STEEL CASE AND/OR CAST IRON FOR FIRE APPROVAL | |
| OCTYL-ALCOHOL | 16 7 8 | | Y | Y | 0.83 | 6.27 | 45 | SAME AS 2-ETHYL HEXANOL | |
| | | | | | | | | TRADE NAME: WICHANOL 155 | |
| OCTYLATAMITATE | 8 | | Y | | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| OCTYLPHENOXY-POLYETHOXYETHANOL | 15 8 | Y | Y | Y | 1.06 | N/A | N/A | A DETERGENT - METERING WATER, SOYBEAN OIL AND ANIMAL OIL THROUGH SAME METER (EQUIVALENT TO SAE 50 WEIGHT) | |
| | | | | | | | | METERING TEMPERATURE 350 DEG F, 100-200 SSU | |
| OIL-&-WATER-MIX-FROM-WELL | 27 | | Y | Y | N/A | N/A | N/A | KALREZ SEALS | |
| OIL--90-WEIGHT-(SEE-NOTES) | 1 | Y | Y | Y | 0.9 | N/A | N/A | 300 TO 650 F, 33 SSU AT 400 DEG F, 39 SSU AT 300 DEG F | |
| OIL--DEODORIZED | 1 16 7 | Y | Y | Y | N/A | N/A | N/A | HEAT EXTENSION | |
| OIL--HEAVY | 14 37 | | Y | Y | N/A | N/A | N/A | METERING TEMPERATURE 100 DEG F | |
| OIL--HOT | 7 8 | | Y | Y | 1.1 | N/A | N/A | CONTAINS 3% CALCIUM OXIDE AND CALCIUM HYDROXIDE SOLIDS | |
| | | | | | | | | METERING TEMPERATURE 300 DEG F | |
| | | | | | | | | | |
| OIL--PETROLEUM-BASE | 1 16 7 | Y | Y | Y | N/A | 150 | N/A | | |
| OIL-BASE-LIQUID-SEE-NOTES | 27 | | Y | Y | N/A | 100 | N/A | | |
| | | | | | | | | | |
| OIL-DISTILLATE | 1 | Y | Y | Y | N/A | N/A | N/A | | |
| OIL-FURNACE | 1 14 | | Y | Y | 1.08 | 3.5 | 37 | | |
| OIL-MOTOR-19W40 | 1 16 7 | Y | Y | Y | N/A | N/A | N/A | 0.0004 | |
| OIL-NO-6 | 14 37 | | Y | Y | 0.885 | N/A | N/A | N/A | |
| | | | | | | | | | |
| OIL-WELL-CONDENSATE | 10 | | Y | Y | 0.663 | N/A | N/A | | |
| | | | | | | | | | |
| OLEFIN-SULFIDE | 8 | | Y | | 1.09 | 5.5 | 69.3 | CARBON BEARING PLATE INSERTS | |
| | | | | | | | | HARD CHROME ROTOR SLEEVES | |
| | | | | | | | | OLEFIN ALSO KNOWN AS ALKENE | |
| | | | | | | | | SULFIDE SOLUTIONS ARE ALKALINE (BASIC PH) | |
| OLEIC-ACID | 4 20 8 | | Y | Y | 0.895 | N/A | N/A | TRADE NAME SULFRZOL | |
| | | | | | | | | CLASS 4 USE STAINLESS STEEL TIMING GEARS | |
| | | | | | | | | CLASS 20 USE STAINLESS STEEL TIMING GEARS AT ELEVATED TEMPERATURE CORRODES ALUMINUM - COMPLETELY ANHYDROUS | |
| OLEUM-SPIRITS | 16 7 8 | | Y | Y | N/A | N/A | N/A | PETROLEUM SOLVENT | |
| OLIVE-OIL | 3 14 37 8 | Y | Y | Y | 0.91 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| OMEGA-(SEE-NOTES) | 15 8 | | Y | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| | | | | | | | | CONSISTS OF 50% POLYESTER RESIN - AMIDE-IMIDE NEUTRAL OR SLIGHTLY ACID | |
| ORANGE-JUICE | 8 | | Y | Y | N/A | N/A | N/A | TEFLON BEARING PLATE INSERTS | |
| ORANGE-JUICE-60-BRIX | 8 | | Y | Y | 1.1 | N/A | N/A | | |
| ORANGE-JUICE-CONCENTRATE | 8 | | Y | Y | N/A | N/A | N/A | | |
| ORGANIC-OIL | 14 | | | | | 30000 | 138600 | ESTIMATED PROPERTIES OF FERROTA | |
| ORTHO-DICHLOROBENZENE | 7 8 | | Y | Y | 1.29 | 1 | 30 | 0.0008 | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|----|---------------------------|--------|-------|-------|------------------|------------|--------|--------------------|--|
| | 7 | 8 | BUNA | TEFLON | VITON | OTHER | | | | | |
| ORTHO-NITRO-CHLOROBENZENE | 7 | 8 | | Y | Y | | 1.37 | | | | |
| ORTHO-NITRO-TOLUENE | 7 | 8 | | Y | Y | | 1.15 | | | | |
| ORTHO-XYLENE | 16 | 7 | 8 | Y | Y | | N/A | N/A | N/A | | |
| OXYGEN-LIQUID-CRYOGENIC | NR | | | | | | 1.14 | N/A | N/A | | NOT RECOMMENDED |
| P-D-680 | 16 | 7 | 8 | Y | Y | | 0.77 | | | | KNOWN ALSO AS STODDARD SOLVENT, SOLVENT NAPHTHA MEDIUM ALIPHATIC, DRY CLEANING, SAFETY SOLVENT, OR MINERAL SPIRITS |
| PAIN-T--ENAMEL | 15 | 27 | | Y | | | N/A | N/A | N/A | | |
| PAIN-T--LACQUER | 15 | 27 | | Y | | | N/A | N/A | N/A | | |
| PAIN-T-LATEX-ACETATE | 15 | 8 | | Y | | | 0.841 | N/A | N/A | | CLASS 8 USE TEFLON INSERT BEARINGS |
| PAIN-T-LATEX-ACRYLIC | 15 | 8 | | Y | | | N/A | N/A | N/A | | CLASS 8 USE TEFLON INSERT BEARINGS |
| PAIN-T-LATEX-VINYL | 15 | 8 | | Y | | | N/A | N/A | N/A | | CLASS 8 USE TEFLON INSERT BEARINGS |
| PAIN-T-OIL-BASE | 15 | 27 | | Y | | | N/A | N/A | N/A | | |
| PALM-OIL | 3 | 14 | 37 | 8 | Y | | 0.952 | N/A | N/A | | CLASS 8 USE TEFLON INSERT BEARINGS |
| PARAFFIN | 14 | 37 | | Y | | | N/A | N/A | N/A | | METERING TEMPERATURE 300 DEG F HEAT EXTENSION |
| PARAFFIN-LIQUID | 14 | 37 | | Y | | | N/A | N/A | N/A | | |
| PARAFFIN-SOLVENT-BASED | 14 | 37 | | Y | | | N/A | N/A | N/A | | METERING TEMPERATURE 285 DEG F |
| PARAPLEX | 14 | 37 | | Y | | | N/A | N/A | N/A | | |
| PARAPLEX-(BASE-SOYBEAN-OIL) | 14 | 37 | | Y | | | N/A | 17000 | N/A | | |
| PARATHION--INSECTICIDE | 30 | 15 | 27 | 8 | Y | | 1.26 | N/A | N/A | | INSECTICIDE M-5 USE CLASS 30...MAX. 25 GPM M-7 AND M-15 USE CLASS 15, M-7 MAX. 60 GPM M-15 MAX. 90 GPM |
| PEANUT-BUTTER | 8 | | | Y | Y | | 1.2 | N/A | N/A | | VISC. RANGES FROM 10,000 TO 100,000 SSU |
| PEANUT-OIL | 3 | 14 | 37 | 8 | Y | | 0.92 | N/A | 0.0004 | | CLASS 8 USE TEFLON INSERT BEARINGS |
| PEAR-OIL | 16 | 7 | 8 | Y | Y | | 0.879 | N/A | N/A | | SAME AS AMYL ACETATE |
| PENNZSUPPRESS_D_CONC | 14 | | | Y | Y | | 1.0254 | 545 | 2595 | | SS ROTOR GEARS RECOMMENDED DUE TO WATER CONTENT SEE WATER-OILY |
| PENNZSUPPRESS_D_DILUTE | 14 | | | Y | Y | | 1.011 | 1.061 | 31 | | SS ROTOR GEARS RECOMMENDED FOR WATER DILUTION 4:1 WATER TO PENNZSUPPRESS D IS STANDARD DILUTION SEE WATER-OILY |
| PENTACHLOROPHENOL | 7 | 8 | | Y | Y | | 1.978 | 14 | 73 | | WOOD PRESERVATIVE - IF CONTAINS WATER OR OTHER SOLUTION NOT COMPATIBLE WITH ALUMINUM, USE CLASS 7 |
| PENTANE | 10 | | | Y | Y | | 0.626 | N/A | N/A | 0.0008 | ALUMINUM EXCELLENT AT 100% CONC. TO 200 F BUNA EXCELLENT TO 250 F VITON EXCELLENT TO 140 F |
| PERCHLOROETHYLENE | 7 | 8 | | Y | Y | | 1.619 | 0.75 | 0.0006 | | ALUMINUM NOT RECOMMENDED, CAST IRON GOOD, STAINLESS STEEL EXCELLENT FOR UP TO 90% CONCENTRATION AT 70 F. CARBON INSERT BEARING PLATES PRODUCT MUST BE FREE OF WATER NIRRESIST BEARING PLATES WITH CARBON BEARING INSERTS ALUMINUM NOT RECOMMENDED, CAST IRON GOOD, STAINLESS STEEL EXCELLENT AT CONCENTRATIONS UP TO 90% AND 70 F. |
| PERCHLOROETHYLENE-(ANHYDROUS) | 7 | 8 | | Y | Y | | 1.625 | N/A | N/A | 0.0005 | NIRRESIST BEARING PLATES WITH CARBON BEARING INSERTS ALUMINUM NOT RECOMMENDED, CAST IRON GOOD, STAINLESS STEEL EXCELLENT AT CONCENTRATIONS UP TO 90% AND 70 F. |
| PERCHLOROETHYLENE-AND-(NOTES) | 7 | 8 | | Y | Y | | 1.625 | N/A | N/A | N/A | TRICHLOROETHYLENE CARBON INSERT BEARING PLATES ALUMINUM NOT RECOMMENDED COULD BE HAZARDOUS SEE CARBON TETRACHLORIDE |
| PERCHLOROMETHANE-(ANHYDROUS) | 7 | 8 | | Y | Y | | 1.585 | N/A | N/A | 0.0007 | |
| PEROXIDE | 8 | | | Y | Y | | N/A | N/A | N/A | | |
| PETROLEUM-DISTILLATES | 16 | 7 | 8 | Y | Y | | 0.885 | N/A | N/A | 0.0007 | RUBBER SOLVENT-LIKE NAPHTHA SAME AS PETROLEUM NAPHTHA OR NAPHTHA |
| PETROLEUM-ETHER | 16 | 7 | 8 | Y | Y | | 0.6 | N/A | N/A | N/A | REF. OLD NAMES VARNOLINE AND WHITE SPIRIT |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|----|---------------------------|--------|-------|------------------|------------|--------|---|------|
| | 7 | 8 | BUNA | TEFLON | VITON | | | | | |
| PETROLEUM-SPIRITS | 16 | | Y | Y | Y | 0.6 | N/A | N/A | SAME AS NAPHTHA EXCEPT IN GREAT BRITIAN GB = VOLATILE HYDROCARBON MIX FLASH POINT 32 DEG. F | |
| PHENOL | 15 | 27 | | Y | Y | 1.07 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS GYLON SEALS OK (GASKET) | |
| PHENOL--CARBOLIC-ACID | 15 | 27 | | Y | Y | 1.07 | N/A | N/A | *MAXIMUM 80% SOLUTION GYLON SEALS OK (GASKET) | |
| PHENOL-FORMALDEHYDE-RESINS | 15 | 8 | | Y | | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| PHENOLPROPILPRYDENE | 7 | 8 | | Y | | N/A | N/A | 0.0011 | | |
| PHENYL-CHLORIDE | 7 | 8 | | Y | Y | 1.105 | N/A | N/A | SAME AS CHLOROBENZENE | |
| PHENYLAMINE | 8 | 47 | | Y | Y | 1.022 | 4 | 38 | ** SEE ANILINE INFORMATION ** | |
| PHENYLETHANE | 16 | 7 | | Y | Y | 0.867 | N/A | N/A | SAME AS ETHYLBENZENE | |
| PHENYLETHYLENE | 16 | 7 | | Y | Y | 0.904 | N/A | N/A | SAME AS STYRENE | |
| PHENYLME THANE | 16 | 7 | | Y | Y | 0.866 | N/A | N/A | SAME AS TOLUENE | |
| PHENYLME THANOL | 16 | 7 | | Y | Y | 1.04 | N/A | N/A | SAME AS BENZYL ALCOHOL | |
| PHOSPHORIC-ACID | 8 | | N | Y | Y | 1.2 | | | SYNONYMS: TRIPHENYL PHOSPHITE (TPP), PHOSPHOROUS ACID, TRIPHENYL ESTER | |
| PHOSPHORIC-ACID-60%--WATER-40% | 8 | | | Y | | 1.834 | N/A | N/A | DO NOT USE HARD CHROME PLATED ROTOR SLEEVES USE SS316 NON-PLATED SLEEVES ONLY | |
| PHOSPHORIC-ACID-75% | 8 | | | Y | | 1.83 | N/A | N/A | DO NOT USE HARD CHROME PLATED ROTOR SLEEVES USE SS316 NON-PLATED SLEEVES ONLY | |
| PHOSPHORIC-ACID-80-85% | 8 | | | Y | | 1.83 | N/A | N/A | DO NOT USE HARD CHROME PLATED ROTOR SLEEVES USE SS316 NON-PLATED SLEEVES ONLY | |
| PHOSPHORIC-ACID-99% | 8 | | | Y | | 1.834 | N/A | N/A | DO NOT USE HARD CHROME PLATED ROTOR SLEEVES USE SS316 NON-PLATED SLEEVES ONLY | |
| PHOSPHORIC-ACID-MAXIMUM-85% | 8 | | | Y | | 1.834 | N/A | N/A | DO NOT USE HARD CHROME PLATED ROTOR SLEEVES USE SS316 NON-PLATED SLEEVES ONLY | |
| PHOSPHOROUS-CHLORIDE | NR | | | | | 1.574 | N/A | N/A | DO NOT USE HARD CHROME PLATED ROTOR SLEEVES USE SS316 NON-PLATED SLEEVES ONLY | |
| PHOSPHOROUS-TRICHLORIDE | NR | | | | | 1.574 | N/A | N/A | DO NOT USE HARD CHROME PLATED ROTOR SLEEVES USE SS316 NON-PLATED SLEEVES ONLY | |
| PTHALIC-ACID | 4 | 8 | | Y | Y | 1.585 | N/A | N/A | NOT RECOMMENDED | |
| PTHALIC-ANHYDRIDE | 14 | 8 | | Y | Y | 1.527 | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS | |
| PIMELIC-KETONE-(CYCLOHEXANONE) | 16 | 7 | | Y | Y | 0.948 | N/A | N/A | ALUMINUM CAST IRON & STAINLESS STEEL ARE ONLY RATED GOOD | |
| PINE-OIL | 15 | 8 | | Y | Y | 0.94 | N/A | N/A | | |
| PINE-OIL--FULL-CONCENTRATE | 15 | 8 | Y | Y | Y | 0.94 | N/A | N/A | | |
| PINEAPPLE-JUICE | 8 | | | Y | Y | N/A | N/A | N/A | | |
| PITCH | 1 | 14 | Y | Y | Y | N/A | N/A | N/A | CLASS 14 IF TEMPERATURE ABOVE 140 DEG F | |
| PITCH-(70%PENETRATION-ASPHALT) | 1 | 14 | | Y | Y | N/A | N/A | N/A | | |
| PLASTICIZER-BLEND | 1 | 14 | | Y | Y | 1.12 | N/A | N/A | 500 TO 5000 SSU | |
| PLASTICIZER-OIL | 1 | 14 | | Y | Y | 1.12 | 50 | 250 | | |
| PLASTICRETE-161 | 8 | 27 | | Y | Y | 1.12 | 50 | 250 | CONCRETE ADDITIVE | |
| PLASTISOL | 15 | 8 | | Y | | N/A | N/A | N/A | PH=10, ALUMINUM NOT RECOMMENDED USE CAST IRON ONLY IF NOT WATER FLUSHED | |
| POLY-N-FERTILIZER | 0 | | | Y | | 1.46 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| POLYAMIDE-RESINS | 15 | 8 | | Y | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| POLYAMINE-SOLUTION | 8 | | | Y | Y | 1.09 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS CL 8 USE TEFLON INSERT BEARINGS | |
| POLYBUTENE | 15 | 8 | | Y | Y | 0.87 | 165000 | 750000 | SAME AS POLYBUTYLENE AND POLYISOBUTENE DERATE METER PER VISCIPRESSURE LOSS | |
| POLYBUTYLENE | 15 | 8 | | Y | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| POLYESTER-RESIN | 15 | 8 | Y | Y | Y | N/A | 30000 | 150000 | CLASS 8 USE TEFLON INSERT BEARINGS | |
| POLYESTER-RESIN-CX403 | 15 | 8 | | Y | Y | N/A | 15000 | 70000 | CLASS 8 USE TEFLON INSERT BEARINGS PREEMULSIFIED BINDER | |
| POLYESTER-RESIN-RESILIENT | 15 | 8 | | Y | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| POLYESTER-RESIN-W/STYRENE | 15 | 8 | | Y | Y | N/A | N/A | N/A | NO AIR ELIMINATOR CLASS 8 USE TEFLON INSERT BEARINGS | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|----|---------------------------|--------|-------|------------------|------------|--------|--------------------|--|
| | 15 | 16 | BUNA | TEFLON | VITON | | | | | |
| POLYESTER-SURFACE-COATING | 15 | 8 | | Y | | N/A | 20000 | 92500 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| POLYETHER-ALCOHOL | 16 | 7 | | Y | | N/A | N/A | N/A | N/A | |
| POLYETHERAMINE | 7 | | | Y | | 0.96 | 380 | 1850 | | USED IN BASF PURADD FD105 GASOLINE ADDITIVE PH 9.8 |
| POLYETHYLENE-GLYCOL | 16 | 8 | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| POLYGLYCOL | 15 | 8 | Y | Y | Y | N/A | 55000 | 275000 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| POLYISOBUTENE | 15 | 8 | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS SAME AS POLYBUTYLENE |
| POLYMER---WATER-BASED | 15 | 8 | Y | Y | Y | N/A | 1000 | 4600 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| POLYMERIC-ISOCYANATE | 7 | 8 | Y | Y | Y | N/A | N/A | N/A | N/A | PRESSURE LOSS VS VISCOSITY WILL DETERMINE METER SIZE |
| POLYOL | 14 | 37 | | Y | Y | 1.1 | N/A | N/A | N/A | VISCOSITY RANGE FROM 2500 SSU TO 150,000 SSU SPECIFIC GRAVITY RANGE FROM .98 TO 1.30 |
| POLYPHOSPHATE | 7 | 8 | | Y | Y | N/A | N/A | N/A | N/A | SAME AS SUPERPHOSPHORIC ACID |
| POLYPHOSPHORIC-ACID | 8 | | | Y | Y | N/A | N/A | N/A | N/A | SAME AS SUPERPHOSPHORIC ACID |
| POLYPROPYLENE | 14 | 37 | 1 | Y | Y | 0.9 | N/A | N/A | N/A | SELECT CLASS 1 FOR WEIGHTS & MEASURES APPLICATIONS |
| POLYPROPYLENE-GLYCOL | 14 | 37 | 1 | Y | Y | N/A | N/A | N/A | N/A | SELECT CLASS 1 FOR WEIGHTS & MEASURES APPLICATIONS |
| POLYPROPYLENE-GLYCOL-TYPE-4 | 14 | 37 | | Y | Y | 1.004 | 930 | 4400 | | SHEAR SENSITIVE LIQUID DERATE METER BY 1/3 MAX. CAPACITY |
| POLYPROPYLENE-OXIDE | 16 | 7 | | Y | Y | 0.8304 | 340 | 1638 | N/A | CLASS 16 & 7 GOOD ONLY |
| POLYURETHANE-RESIN | 15 | 8 | | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| POLYVINYL-ACETATE-(PVAC) | 15 | 8 | | Y | Y | 1.19 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| POLYVINYL-ALCOHOL | 15 | 8 | | Y | Y | 1.31 | N/A | N/A | N/A | VISC. RANGES FROM 5,000 TO 50,000 SSU CLASS 8 USE TEFLON INSERT BEARINGS |
| POLYVINYL-CHLORIDE-50%-SOLIDS | 15 | 8 | | Y | Y | N/A | N/A | N/A | N/A | PRODUCT CONSISTS OF: 12% ALCOHOL, .88% WATER/PVA |
| POLYVIS | 1 | 14 | | Y | Y | N/A | N/A | N/A | N/A | VISC. CAN RANGE FROM 2000 TO 20000 |
| POTABLE-SPIRIT-99-% | 8 | | Y | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| POTASH-AQUEOUS | 27 | | Y | Y | Y | 2.428 | N/A | N/A | N/A | SAME AS POTASSIUM CARBONATE DERIVATIVE OF ACETIC ACID |
| POTASSIUM-ACETATE | 7 | 8 | | Y | Y | 1.57 | | | | CARBON BEARING PLATE INSERTS CAST IRON EXCELLENT AT 100% CONC. TO 200 F STAINLESS STEEL GOOD AT ALL CONC. TO 200 F |
| POTASSIUM-BROMIDE-(AQUEOUS) | NR | | | | | 2.749 | N/A | N/A | N/A | CAST IRON NOT GOOD BELOW 100% CONC. NOT RECOMMENDED |
| POTASSIUM-CARBONATE | 7 | 20 | 8 | Y | Y | 2.428 | N/A | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| POTASSIUM-CHLORIDE | 8 | | Y | Y | Y | | | | | SAME AS POTASSIUM HYDROXIDE 50% (SG=1.516) 20% (SG=1.190) |
| POTASSIUM-HYDRATE | 37 | 7 | 8 | Y | Y | 2.044 | N/A | N/A | N/A | STAINLESS STL & MILD STEEL GOOD FOR SOLTN OF 10% TO 50% BELOW 130 F. CAST IRON BELOW 100 F |
| POTASSIUM-HYDROXIDE | 37 | 7 | 8 | Y | Y | 1.516 | N/A | N/A | N/A | RULON IS NOT RECOMMENDED AVOID DISSIMILAR METALS |
| POTASSIUM-HYDROXIDE-(AQUEOUS) | 37 | 7 | 8 | Y | Y | 1.516 | N/A | N/A | N/A | CLASS 07 & 37 GOOD FOR SOLTN OF 10% TO 50% BELOW 100 F CLASS 08 GOOD BELOW 130 F |
| POTASSIUM-HYDROXIDE-45% | 37 | 7 | 8 | Y | Y | 1.457 | N/A | N/A | N/A | SG = 1.516 FOR 50% SOLTN CAST IRON GOOD, STAINLESS STEEL EXCELLENT AVOID DISSIMILAR METALS |
| POTASSIUM-HYPROCHLORITE | NR | | | | | N/A | N/A | N/A | N/A | CLASS 07 & 37 GOOD BELOW 100 F .08 GOOD BELOW 130 F NOT RECOMMENDED |
| POTASSIUM-NITRATE-(AQUEOUS) | 16 | 7 | 8 | Y | Y | 2.109 | N/A | N/A | N/A | ALUMINUM EXCELLENT UP TO 80% CONCENTRATION AT 70 F. CAST IRON & STAINLESS STEEL ONLY RATED GOOD CLASS 8 UP TO 80% AND 212 F. SAME AS SALT PETER |
| POTASSIUM-PHOSPHATE-DIBASIC | 7 | 8 | | Y | Y | N/A | N/A | N/A | N/A | |
| POTASSIUM-POLYPHOSPHATE-39% | 7 | 8 | | Y | Y | 2.564 | N/A | N/A | N/A | |
| POTASSIUM-SILICATE-100% | 7 | 8 | | Y | Y | N/A | N/A | N/A | N/A | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|------------------------------|-------------------------|----|---------------------------|--------|-------|------------------|------------|-------|--------------------|---|
| | 7 | 8 | BUNA | TEFLON | VITON | | | | | |
| PRESS-CLEANING-SOLVENT-NOTES | | | | Y | | | N/A | N/A | | CONTAINS: 5% XYLENE, 78% VMP NAPHTHA, 17% METHYLENE CHLORIDE TEFLON SEALS |
| PRINCEP---HERBICIDE | 30 | 15 | 27 | 8 | Y | | N/A | N/A | | HERBICIDE CARBON BEARING PLATE INSERTS |
| | | | | | | | | | | M-5 USE CLASS 30.....MAX.25 GPM |
| | | | | | | | | | | M-7 & M-15 USE CLASS 15 |
| | | | | | | | | | | M-7 MAX. 60 GPM.....M-15 MAX. 90 GPM |
| PRINTING-INK | 1 | | | | Y | | N/A | N/A | | CLASS 8 USE TEFLON INSERTS BEARINGS |
| PRIST-HI-FLASH | 16 | | | | Y | | 1.023 | | | SEE INK - PRINTING ALSO INK - ROTOGRAVURE PH 7-8. IN THE GLYCOL ETHER FAMILY |
| | | | | | | | | | | ANTICING AVIATION FUEL ADDITIVE |
| PROPANE-LPG---LIQUID | 10 | | | | Y | | 0.5077 | 0.106 | 25 | PROPERTIES VARY WITH LPG MIXTURE RATIOS AND CONDITIONS. |
| PROPANOL | 16 | 7 | 8 | | Y | | 0.804 | N/A | N/A | SAME AS PROPYL ALCOHOL |
| PROPANONE-(ANHYDROUS) | 16 | 7 | 8 | | Y | | 0.792 | N/A | N/A | SAME AS ACETONE |
| PROPENE | 10 | | | | Y | | 0.513 | | | SEE PROPYLENE |
| PROPENYL-ALCOHOL | 16 | 7 | 8 | | Y | | 0.852 | N/A | N/A | SAME AS ALL YL ALCOHOL |
| PROPIONE | 16 | 7 | 8 | | Y | | 0.816 | N/A | N/A | SAME AS DIETHYL KETONE |
| PROPIONIC-ACID | 8 | 27 | 15 | 30 | Y | | 0.84 | | | FORM OF CARBOXYLIC OR FATTY ACID |
| | | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| | | | | | | | | | | SEE "FATTY ACIDS" LISTING |
| PROPYL-ACETATE-(N-PROPYL) | 16 | 7 | 8 | | Y | | 0.887 | N/A | N/A | ALUMINUM EXCELLENT |
| PROPYL-ALCOHOL | 16 | 7 | 8 | | Y | | 0.804 | N/A | N/A | AIR ELIM. USE KALREZ/ARMALON SEALS |
| PROPYLENE | 10 | | | | Y | | 0.513 | N/A | N/A | SAME AS PROPANOL |
| | | | | | | | | | | COMPRESSED GAS ... TREAT SAME AS LPG EXCEPT |
| | | | | | | | | | | VITON SEALS ...HIGHLY FLAMMABLE.DANGEROUS |
| | | | | | | | | | | FIRE RISK...ASPHYXIANT GAS |
| | | | | | | | | | | *** MUST CONSULT FACTORY *** |
| | | | | | | | | | | CANNOT USE BUNA MATERIALS |
| | | | | | | | | | | SIMILAR TO PROPENE |
| PROPYLENE-DICHLORIDE | 7 | 8 | | | Y | | 1.1583 | N/A | N/A | .00113 @ 20 DEGREE C |
| | | | | | | | | | | .00115 @ 65 DEGREE C |
| PROPYLENE-GLYCOL | 1 | 16 | 7 | | Y | | 1.038 | 60 | 300 | |
| PROPYLENE-OXIDE | 8 | | | | Y | | 0.8304 | N/A | N/A | 0.0015 |
| PROSOL-10%-OIL--90%-WATER | 15 | 8 | | | Y | | N/A | N/A | N/A | N/A |
| PROSYL | 15 | 8 | | | Y | | N/A | N/A | N/A | N/A |
| | | | | | | | | | | CAN NOT GUARANTEE METER |
| | | | | | | | | | | PRODUCT CONSISTS OF: 15% ANHYDROUS AMMONIA, 3% MINERAL SALT, 69% MOLASSES, 13% NITROGEN |
| | | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| PROWL---HERBICIDE | 30 | 15 | 27 | 8 | Y | | N/A | N/A | N/A | HERBICIDE |
| | | | | | | | | | | M-5 USE CLASS 30.....MAX.25 GPM |
| | | | | | | | | | | M-7 & M-15 USE CLASS 15 |
| | | | | | | | | | | M-7 MAX 60 GPM ... M-15 MAX 90 GPM |
| | | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| PRUSSIC-ACID | NR | | | | | | 0.688 | N/A | N/A | SAME AS HYDROCYANIC ACID |
| | | | | | | | | | | NOT RECOMMENDED |
| PURON | 10 | | | | Y | | 1.066 | | | CHLORINE FREE REFRIGERANT R-410A |
| | | | | | | | | | | REPLACES R-22 RESIDENTIAL REFRIGERANT |
| PVA-WATER-BASE-RESIN | 15 | 8 | | | Y | | 1.31 | 3500 | 16500 | ALSO KNOWN AS DUPONT SUVA 9100 |
| | | | | | | | | | | ABBREVIATION FOR POLYVINYL ALCOHOL |
| PYRIDINE | 16 | 20 | 8 | | N | | 0.98 | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| | | | | | | | | | | AROMATIC SOLVENT. BEHAVES AS AN AMINE. |
| | | | | | | | | | | FORMULA. C5H5N |
| | | | | | | | | | | OTHER NAMES: AZINE OR AZABENZENE |
| RAFFINATE | 16 | 7 | 8 | | Y | | | | | RAFFINATE REFERS TO A RESIDUAL COMPONENT |
| | | | | | | | | | | LEFT OVER FROM A SOLVENT EXTRACT PROCESS. |
| | | | | | | | | | | SPECIFIC CHEMICAL DATA UNKNOWN. |
| RAPESEED-OIL | 1 | 16 | 7 | | Y | | 0.916 | 120 | 600 | ALSO CALLED COLZA OIL |
| RED-OIL | 15 | 8 | | | Y | | 0.895 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| REFINERS-SYRUP-(SEE-NOTES) | 3 | 14 | 37 | 8 | Y | | N/A | N/A | N/A | CONSISTS OF: CARAMEL COLORING, HONEY, MOLASSES. FLAVO-RICH |
| | | | | | | | | | | CLASS 8 USE TEFLON INSERT BEARINGS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-----------------------------|-------------------------|--------|---------------------------|-------|---|------------------|------------|---------|---|------|
| | BUNA | TEFLON | VITON | OTHER | | | | | | |
| REFRIGERANT-152a | 10 | | Y | | Y | 0.922 | 0.247 | 0.0014 | USE TEFLON AT LOW TEMPS OTHER NAMES: DIFLUOROETHANE, FREON 152a, GENETRON 152a TRADE NAME: DYMEI, 152a (DUPONT) LIQUEFIED COLOURLESS GAS UNDER PRESSURE VAPOR PRESSURE: 87.98 PSI AT 77 F | |
| RESIDUAL-OIL | 14 | 37 | Y | | Y | N/A | N/A | N/A | | |
| RESIDUAL-OIL-(ASPHALT) | 14 | 37 | Y | | Y | 0.94 | 58 | 290 | N/A | |
| RESIN-(CAUSTIC-PH) | 37 | 27 | Y | | Y | N/A | N/A | 0.0007 | | |
| RESIN-(DOW-ECI-77) | 8 | | Y | | Y | N/A | N/A | N/A | | |
| RESIN-(NEUTRAL-PH) | 14 | 15 | Y | | Y | N/A | N/A | N/A | | |
| RESIN-(WATER-BASE) | 15 | 8 | Y | | Y | 1.298 | 776 | 3880 | CLASS 8 USE TEFLON INSERT BEARINGS RESIN CONSISTS OF: PHENOL FORMALDEHYDE POLYMER WITH SOME UREA FORMALDEHYDE | |
| RESIN-WITH-XYLENE | 15 | 8 | Y | | Y | N/A | 400 | 2000 | VISCOSITY & PERCENT OF XYLENE WILL DETERMINE MAXIMUM FLOW RATE FOR METER SIZE SELECTED | |
| RICE-BRAN-OIL | 3 | 14 | Y | | Y | 0.916 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS SAME AS CASTOR OIL ACID | |
| RICINOLEIC-ACID | 16 | 7 | Y | | Y | 0.94 | N/A | N/A | | |
| RICIN-OIL | 1 | 16 | Y | | Y | 0.969 | N/A | N/A | | |
| ROOFING-TAR | 14 | 37 | Y | | Y | N/A | N/A | N/A | | |
| ROPAQUE-COPOLYMER-EMULSION | 8 | | Y | | Y | 1.1 | 500 | 2500 | PAINT ADDITIVE-STYRENE/ACRYLIC COPOLYMER EMULSION pH-9 TO 10 (NON-CORROSIVE) CAN BE SHEAR SENSITIVE - FILM FORMING | |
| ROBIN | 8 | 4 | Y | | Y | | | | NO CAST IRON, NO CARBON, NO NI-RESIST, NO HARDCROME RECOMMEND NON-PLATED SS316 ROTOR SLEEVES CLASS 8 USE TEFLON INSERT BEARINGS OTHER NAME: COLOPHONY, DERIVATED FROM TURPENTINE ALUMINUM <20 MILS PENETRATION/YR. TO 300F (DARK) <20 MILS PENETRATION/YR. TO 70F (LIGHT) NI-RESIST <50 MILS PENETRATION/YR. AT 70F CLASS 8 USE TEFLON INSERT BEARINGS SEE TALL OIL | |
| ROSINS-(WOOD,-GUM-&OIL) | 37 | 27 | Y | | Y | 1.1 | N/A | N/A | | |
| ROUNDUP-(HERBICIDE) | 30 | 15 | Y | | Y | 1.01 | 1 | 31 | READY TO USE (pH=7.3) M-5 USE CLASS 30 ... MAX 25 GPM M-7 & M-15 USE CLASS 15 M-7 MAX 60 GPM ... M-15 MAX 90 GPM CLASS 8 USE TEFLON INSERT BEARINGS CLASS 8 USE TEFLON INSERT BEARINGS CLASS 8 USE TEFLON INSERT BEARINGS METER MUST BE KEPT FULL TO AVOID OXIDATION OF THE CAST IRON GENERAL PURPOSE PLASTICIZER BUTYL BENZYL PHTHALATE | |
| RUBBER-BASE-W/44%-HEXANE | 15 | 8 | Y | | Y | N/A | N/A | N/A | | |
| RUBBER-CEMENT | 15 | 8 | Y | | Y | 0.8 | N/A | N/A | | |
| RUBBER-SOLVENT | 16 | 7 | Y | | Y | N/A | N/A | N/A | | |
| SALICYLIC-ACID-SOLUTION | 8 | | Y | | Y | 1.48 | N/A | N/A | | |
| SALT-SOLUTION-30% | 7 | 8 | Y | | Y | N/A | N/A | N/A | | |
| SANTICIZER-160 | 16 | 7 | Y | | Y | 1.12 | | 0.00069 | | |
| SASCOL-105 | 7 | 8 | Y | | Y | 1.03 | 16.72 | 85 | VISC. RANGE 35 TO 1150 SSU (212 F TO 32 F) MINING CHEMICAL - FLOTATION REAGENT CONSIDER A CORROSIVE CHEMICAL BOTH LIQUIDS THROUGH SAME METER NOT MIXED USE NON-PLATED SS316 ROTOR SLEEVES STRONG SOLUTION 60% WATER, 40% CLEANERS WEAK SOLUTION 85% WATER, 15% CLEANERS 9400 SSU TO 37000 SSU NEUTRAL PH USE CLASS 15 ... IF CLASS 27 SELECTED DISCOLORATION MAY OCCUR ... VISCOSITY WILL DETERMINE FLOW RATE OF METER SIZE SELECTED HIGHLY REFINED KEROSENE | |
| SEA-WATER-&-LIGHT-CRUDE-OIL | 14 | 37 | Y | | Y | N/A | N/A | N/A | | |
| SEVIMOL-4 | 8 | | Y | | Y | N/A | N/A | N/A | | |
| SF-BUS-WASH-2 | 8 | | Y | | Y | 1.064 | | | | |
| SHAMPOO-(DI-WATER-BASE) | 15 | 27 | Y | | Y | N/A | N/A | N/A | | |
| SHELL-SOL-(SEE-NOTES) | 2 | | Y | | Y | N/A | N/A | N/A | | |
| SHELLACOL | 16 | 7 | Y | | Y | N/A | N/A | N/A | | |
| SILICONE-FLUIDS | 7 | 8 | Y | | Y | N/A | N/A | N/A | ALUMINUM OR CAST IRON GOOD, STAINLESS STEEL | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|----|---------------------------|--------|-------|------------------|------------|--------|--|------|
| | 14 | 37 | BUNA | TEFLON | VITON | | | | | |
| SILICONE-OIL | | | Y | Y | Y | 0.95 | N/A | N/A | ALUMINUM AND CAST IRON GOOD, STAINLESS STEEL EXCELLENT | |
| SILICONE-OIL-(SEE-NOTES) | 1 | 16 | 7 | Y | Y | 0.95 | 32 | N/A | USED FOR BRAKE FLUID | |
| SILICONE-RESIN | 15 | 27 | 8 | Y | Y | N/A | 1040 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SILVER-BROMIDE | NR | | | | | 6.473 | N/A | N/A | NOT RECOMMENDED | |
| SILVER-NITRATE | 8 | | | Y | Y | 4.328 | N/A | N/A | STAINLESS STEEL EXCELLENT UP TO 50% CONCENTRATION | |
| SOAP-SOLUTION | 8 | | | Y | Y | N/A | N/A | N/A | CAST IRON NOT RECOMMENDED USE STAINLESS STEEL | |
| SOAPS-WATER-BASE-W/SODIUM-AND | 8 | | | Y | Y | N/A | N/A | N/A | OR POTASSIUM OLEATES PH14 CAST IRON NOT RECOMMENDED | |
| SODA-ASH-SOLUTION | 7 | 8 | | Y | Y | 1.55 | N/A | N/A | SODIUM CARBONATE | |
| SODIUM-BICARBONATE-50%-CONC. | 7 | 8 | | Y | Y | 1.013 | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS | |
| SODIUM-BICHROMATE | 4 | 8 | | Y | Y | 2.52 | N/A | N/A | SAME AS: SODIUM DICHROMATE TOXIC MATERIAL, MAGNETIC DRIVE RECOMMENDED | |
| SODIUM-BROMIDE-NABR.2H2O | 8 | | | Y | Y | 2.18 | N/A | N/A | | |
| SODIUM-CARBONATE | 7 | 20 | 8 | Y | Y | 1.146 | N/A | N/A | | |
| SODIUM-CARBONATE-20%-CONC. | 7 | 8 | | Y | Y | 1.146 | N/A | N/A | | |
| SODIUM-CHLORIDE-(AQUEOUS) | 7 | 8 | | Y | Y | 2.165 | N/A | 0.0002 | CAST IRON GOOD AT UP TO 30% CONCENTRATION AND 70 F, STAINLESS STEEL EXCELLENT | |
| SODIUM-CHLORITE-&-WATER-NOTES | 8 | | | Y | Y | N/A | N/A | N/A | 31% SODIUM CHLORITE AND 68% WATER | |
| SODIUM-DICHROMATE | 4 | 8 | | Y | Y | 2.52 | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS TOXIC MATERIAL, MAGNETIC DRIVE RECOMMENDED | |
| SODIUM-FERRICYANIDE | 8 | | | Y | Y | 1.458 | N/A | N/A | NOT RECOMMENDED | |
| SODIUM-FORMATE | NR | | | | | 1.919 | N/A | N/A | 1.1. SPECIFIC GRAVITY AT 80 DEGREES F | |
| SODIUM-HYDROSULFIDE | 8 | | | Y | Y | 1.1 | N/A | N/A | (CAUSTIC SODA, SODIUM HYDRATE, LYE, WHITE CAUSTIC) | |
| SODIUM-HYDROXIDE | 7 | 8 | 27 | 37 | Y | 1.525 | N/A | N/A | STAINLESS STEEL & CAST IRON GOOD IN SOLTN OF 20% TO 50% | |
| SODIUM-HYDROXIDE-50% | 7 | 8 | 27 | 37 | Y | 1.525 | N/A | 0.0001 | BELOW 160 F, MILD STEEL BELOW 140 F AVOID DISSIMILAR METALS | |
| SODIUM-HYPOCHLORITE-(AQUEOUS) | NR | | | Y | Y | 1.1 | N/A | N/A | NON WEIGHTS & MEASURES APPLICATIONS USE CLASS 27 OR 37 | |
| | | | | | | | | | SG 50% = 1.525 20% = 1.219 @ 70 F | |
| | | | | | | | | | (CAUSTIC SODA, SODIUM HYDRATE, LYE, WHITE CAUSTIC) | |
| | | | | | | | | | STAINLESS STEEL & CAST IRON GOOD IN SOLTN OF 20% TO 50% BELOW 160 F MILD STEEL BELOW 140 F | |
| | | | | | | | | | AVOID DISSIMILAR METALS | |
| | | | | | | | | | NON WTS. & MEAS. APPL. USE CLASS 27 OR 37 | |
| | | | | | | | | | NOT RECOMMENDED | |
| | | | | | | | | | STRONG BLEACHING/DISINFECTING AGENT | |
| | | | | | | | | | TANTALUM IS MOST SUITABLE METAL | |
| | | | | | | | | | PH TYPICALLY ABOVE 10 | |
| SODIUM-LAURYL-SULFATE | 8 | | | Y | Y | N/A | 15000 | N/A | TEFLON BEARING PLATE INSERTS | |
| SODIUM-MERCAPTOMENZOTHIOLE | 4 | 8 | | Y | Y | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS | |
| SODIUM-METHYLATE | 8 | | | Y | Y | N/A | N/A | N/A | SAME AS: SODIUM MET | |
| SODIUM-NAPHTHALENESULFONATE | 7 | 8 | | Y | Y | N/A | N/A | N/A | TOXIC, TEMPERATURE LIMITS, CONCENTRATION LIMITS, SPECIAL SEALS | |
| | | | | | | | | | USE ORGANIC SYNTHESIS LIQUEFYING AGENT IN ANIMAL GLUE PREPARATIONS NAPHTHOLS. | |
| SODIUM-NITRATE-(AQUEOUS) | 16 | 7 | 8 | Y | Y | 1.36 | N/A | N/A | UP TO 90% SOLUTION AT AMBIENT TEMP. | |
| SODIUM-NITRITE | 15 | | | Y | Y | 2.168 | N/A | N/A | ALSO KNOWN AS CHILE SALT PETER OR CUBIC NITER | |
| | | | | | | | | | BUNA EXCELLENT TO 140 F AND GOOD FROM 140-176 F | |
| | | | | | | | | | VITON EXCELLENT TO 212 F | |
| | | | | | | | | | OFTEN USED FOR ANTI-RUST, DYE MFG., AND MEAT PICKLING | |
| SODIUM-PHOSPHATE-TRIBASIC | 7 | 8 | | Y | Y | 1.62 | N/A | N/A | ALUMINUM EXCELLENT TO 40% SOLUTION TO 200 F | |
| SODIUM-SILICATE | 16 | 7 | 20 | 8 | Y | 1.56 | N/A | N/A | STAINLESS STEEL GOOD | |
| SODIUM-SULFATE-50-80%-WITH | 20 | 8 | | Y | Y | 2.671 | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS | |
| | | | | | | | | | 50-20% WATER | |
| SODIUM-SULFATE-DECAHYDRATE | 7 | 8 | | Y | Y | 1.047 | N/A | N/A | CLASS 20 USE STAINLESS STEEL TIMING GEARS | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOSE | SSU | COEFF OF EXPANSION | TEXT |
|------------------------------|-------------------------|---------------------------|--------|-------|------------------|-----------|--------|--|------|
| | | BUNA | TEFLON | VITON | | | | | |
| SODIUM-SULFIDE-AQUEOUS | 8 | | Y | Y | 1.427 | N/A | N/A | AVOID DISSIMILAR METALS *NA2S.9H2O | |
| SODIUM-THIOSULFATE-(AQUEOUS) | 15 8 | Y | Y | Y | 1.232 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SODIUM-XYLENESULFONATE | 8 | Y | Y | Y | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS | |
| SORBITOL-WITH-30%-WATER | 4 8 | Y | Y | Y | N/A | N/A | N/A | NOT A SANITARY METER | |
| SOY-LECITHIN | 8 | Y | Y | Y | N/A | 4000 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SOYA-OIL | 3 14 37 8 | Y | Y | Y | 0.91 | 36 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SOYBEAN-OIL | 3 14 37 8 | Y | Y | Y | 0.924 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SOYBEAN-OIL-&MILD-HERBICIDE | 30 15 27 8 | Y | Y | Y | 0.929 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SOYBEAN-OIL-80%-&-20%-ACID | 30 15 27 8 | Y | Y | Y | 0.929 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| STAINMASTER | 8 | | Y | Y | N/A | N/A | N/A | NOT RECOMMENDED | |
| STANNIC-CHLORIDE-(AQUEOUS) | NR | | | | 1.21 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| STARCH--LIQUID | 15 8 | Y | Y | Y | 1.5 | N/A | N/A | VARIES FROM A FEW HUNDRED SSU TO AT LEAST 100,000 SSU. | |
| STARCH--COOKED | 15 8 | Y | Y | Y | N/A | N/A | N/A | MUST NOT CONTAIN CHLORIDE | |
| STARCH-SLURRY-15%-SOLIDS | 15 8 | Y | Y | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| STEAM-CONDENSATE | NR | | Y | Y | N/A | N/A | N/A | PRODUCT MUST NOT CONTAIN CHLORIDES | |
| STEARIC-ACID | 15 8 | Y | Y | Y | 0.839 | N/A | 0.0004 | CLASS 8 USE TEFLON INSERT BEARINGS | |
| STEARIC-ACID-&-MYRISTIC-ACID | 15 8 | | Y | Y | 0.839 | N/A | N/A | PRODUCT MUST BE COMPLETELY ANHYDROUS | |
| STODDARD-SOLVENT | 16 7 8 | Y | Y | Y | 0.78 | 1.25 | 32 | ALUMINUM FAIR TO POOR. | |
| STYRENE | 16 7 8 | Y | Y | Y | 0.904 | N/A | N/A | STAINLESS STEEL EXCELLENT | |
| STYRENE---BUTADIENE | 37 | Y | Y | Y | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| STYRENE-MONOMER | 16 7 8 | Y | Y | Y | 0.904 | N/A | N/A | NEUTRAL pH VALUE | |
| SUCROSE-(SUGAR) | 3 14 37 8 | Y | Y | Y | 1.5877 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SUGAR | 3 14 37 8 | Y | Y | Y | 1.5877 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| SULFONIC-ACID | 7 8 | Y | Y | Y | N/A | N/A | N/A | HEAT EXTENSION | |
| SULFUR---LIQUIFIED | 27 47 8 | Y | Y | Y | 1.8 | N/A | N/A | METER SHOULD ALWAYS BE HEAT TRACED | |
| | | | | | | | | METER SHOULD ALWAYS BE HEAT TRACED | |
| | | | | | | | | METER CAN NOT BE USED IF PRODUCT OVER 400 DEG.F | |
| SULFUR-DIOXIDE-100% | 8 | | Y | Y | 1.4 | N/A | N/A | PH 4.5-11 CAST IRON OTHERWISE S.S. W/TEF. INSERTS | |
| SULFUR-MOLTEN | 27 47 8 | Y | Y | Y | 2 | 12 | 60 | HEAT EXTENSION | |
| | | | | | | | | METER SHOULD ALWAYS BE HEAT TRACED | |
| SULFURIC-ACID | 8 | Y | Y | Y | 1.84 | N/A | N/A | PH 4.5-11 CAST IRON OTHERWISE S.S. W/TEF. INSERTS | |
| | | | | | | | | 0-10% MAXIMUM 120 DEGREES F USE CLASS 8 | |
| | | | | | | | | 11-84% - NO APPLICATION | |
| | | | | | | | | 85-100% MAXIMUM 100 DEGREES F USE CLASS 8 | |
| SULFURIC-ACID---FLUIMING | 8 | Y | Y | Y | N/A | N/A | N/A | REACTS VIOLENTLY WITH WATER | |
| SULFURIC-ACID-93%-(BAUME-66) | 8 | Y | Y | Y | 1.84 | N/A | N/A | CARBON BEARING PLATE INSERTS | |
| SULFURIC-ACID-98%-CONC. | 8 | Y | Y | Y | 1.84 | N/A | N/A | ALUMINUM OR STAINLESS STEEL GOOD. | |
| SULFUROUS-ACID | 8 | Y | Y | Y | 1.03 | N/A | N/A | TRADEMARK FOR A SERIES OF NONSTAINING | |
| SULPHITE-LIQUOR | 8 14 37 | Y | Y | Y | 1.3 | 106 | 530 | NAPHTHENIC OILS,USED AS PLASTICIZERS. | |
| SUNTHENE | 1 14 37 | Y | Y | Y | N/A | N/A | N/A | SOFTENERS AND EXTENDERS. | |
| | | | | | | | | LIQUID FEED SUPPLEMENT... PLUG BLEED HOLES | |
| SUP-R-LIX-THIXOTROPIC | 37 47 | Y | Y | Y | N/A | 390 | 1950 | AND FILL COVERS WITH EDIBLE GREASE | |
| | | | | | | | | RALSTON PURINA TRADE NAME ... PRODUCT IS ABRASIVE | |
| | | | | | | | | LIMITED SERVICE LIFE | |
| SUPERPHOSPHORIC-ACID | 8 | Y | Y | Y | N/A | N/A | N/A | SAME AS POLYPHOSPHORIC ACID MAXIMUM 85%. 200 DEGREES F | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|----|---------------------------|----|------|------------------|------------|------|--------------------|---|
| | 14 | 37 | 47 | 16 | BUNA | | | | | |
| SUPERSEAL-30 | | | | | | 0.87 | | | | ASPHALT SEALER PRODUCT. CONTAINS AROMATIC 100 VISCOSITY OF AROMATIC 100 IS RELATIVELY LOW CLASS 16 OPTIONAL WITH LOW VISCOSITY AND NO ABRASIVES THERE ARE THREE CATEGORIES OF SURFACE ACTIVE AGENTS: DETERGENTS, WETTING AGENTS, AND EMULSIFIERS. CL 8 USE NON-PLATED SS316 SLEEVES |
| SURFACTANT | 7 | 8 | | | | N/A | N/A | N/A | N/A | |
| SURFACTANT-GAF-(RC-620) | 1 | | | | Y | N/A | N/A | N/A | N/A | |
| SURFACTANTS--SEE NOTES | 8 | | | | Y | N/A | N/A | N/A | N/A | |
| SUTAN--HERBICIDE | 30 | 15 | 27 | 8 | Y | N/A | N/A | N/A | N/A | M-5 USE CLASS 30 ... MAX 25 GPM M-7 & M-15 USE CLASS 15 M-7 MAX 60 GPM ... M-15 MAX 90 GPM CLASS 8 USE TEFLON INSERT BEARINGS HERBICIDE |
| SUTAZINE--HERBICIDE | 30 | 15 | 27 | 8 | Y | N/A | N/A | N/A | N/A | M-5 USE CLASS 30 ... MAX 25 GPM M-7 & M-15 USE CLASS 15 M-7 MAX 60 GPM ... M-15 MAX 90 GPM CLASS 8 USE TEFLON INSERT BEARINGS CHLORINE FREE REFRIGERANT R410A SAME AS PURON AND REPLACES R-22 METERING TEMPERATURE 405 DEG F HEAT EXTENSION |
| SUVA-9100 | 10 | | | | Y | 1.066 | | | | CLASS 8 USE TEFLON INSERT BEARINGS |
| SWEET-& SOUR-CRUDE-RESIDUAL | 14 | 37 | | | Y | N/A | N/A | N/A | N/A | METERING TEMPERATURE 405 DEG F HEAT EXTENSION |
| SYRUP | 3 | 14 | 37 | 8 | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| TALL-OIL-LIQUID-ROSIN | 37 | 27 | 8 | | Y | 0.975 | | | | SUGGEST CHECKING WITH CUSTOMER TO MAKE SURE MATERIALS OF CONSTRUCTION SELECTED ARE IN KEEPING WITH MATERIALS IN THE REST OF SYSTEM |
| TALLOW--BEEF | 3 | 14 | 37 | 8 | Y | 0.86 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS ... PRODUCT MAY BE HEATED VISCOSITY FROM 1,000 SSU TO 25,000SSU |
| TALLOW--LIQUID-FAT | 3 | 14 | 37 | 8 | Y | 0.86 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| TALLOW-AND-VEGETABLE-OIL | 3 | 14 | 37 | 8 | Y | 0.86 | 100 | 500 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| TAMOL-850 | 8 | | | | Y | N/A | 248 | 1240 | N/A | FLAT GASKETS MUST BE TEFLON |
| TAR-FUEL-OIL | 1 | 14 | 37 | | Y | N/A | 30 | 150 | N/A | VISCOSITY & TEMPERATURE WILL DETERMINE METER CLASS |
| TAR-OIL--NAPHTHA-&PHENOL | 7 | 8 | | | Y | 0.862 | N/A | N/A | N/A | |
| TAR-STEAM-CRACKED | 14 | 37 | | | Y | 1.06 | 1300 | 6100 | 0.00063 | |
| TDI-(TOLUENE-DIISOCYANATE) | 7 | 8 | | | Y | 1.22 | N/A | N/A | 0.0005 | |
| TECSOL-#3-95% | 16 | 7 | 8 | | Y | N/A | N/A | N/A | N/A | ETHYL ALCOHOL |
| TELONE-II | 7 | 8 | | | Y | 1.211 | | | | MAIN ACTIVE INGREDIENT IS DICHLOROPROPENE USED AS SOIL FUMIGANT FOR CROP PEST CONTROL |
| TERPENE-SOLVENT | 16 | | | | Y | 0.845 | | | | PH 8.2 |
| TERTIARY-BUTYL-ALCOHOL | 16 | 7 | 8 | | Y | N/A | N/A | N/A | N/A | |
| TETRACHLOROETHYLENE-ANHYDROUS | 7 | 8 | | | Y | 1.625 | N/A | N/A | N/A | SAME AS PERCHLOROETHYLENE |
| TETRAETHYLEAD-4PB | 16 | 7 | 8 | | Y | 1.6 | N/A | N/A | N/A | PRODUCT MUST BE WATER FREE |
| TETRAHYDROFURAN | 7 | 8 | | | Y | 0.89 | 1 | 5 | N/A | |
| TETRAPOTASSIUM-PYROPHOSPHATE | 8 | | | | Y | 1.74 | 42 | 210 | N/A | |
| TEXANOL | 16 | | | | Y | 0.95 | 18 | 90 | 0.0006 | 2,2,4 TRIMETHYL-1,3 PETANEDIOL MONOISOBUTYRATE EXPANSION COEFF. ESTIMATED FROM SIMILAR ALCOHOLS KNOWN AS TEXANOL ESTER-ALCOHOL |
| THERMEX-8244 | 1 | 14 | 37 | | Y | N/A | N/A | N/A | N/A | MEMBER OF THE 'ALIPHATIC SOLVENTS' FAMILY. HEAVY DUTY. HIGH TEMPERATURE LUBRICANT |
| THIOGLYCOLIC-ACID | 8 | | | | Y | 1.325 | N/A | N/A | N/A | |
| THIOL | 16 | 8 | | | Y | 0.85 | 3 | 36 | N/A | THIOL PREVIOUSLY KNOWN AS MERCAPTAN |
| THIOSOL | 15 | 8 | | | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| THIOSULFATE-(SEE NOTES) | 8 | | | | Y | N/A | N/A | N/A | N/A | 12% NITROGEN & 26% SULPHUR WITH LIQUID ZINC |
| TITANIUM-DIOXIDE | NR | | | | Y | 3.8 | N/A | N/A | N/A | TiO2 SLURRY ... EXTREMELY ABRASIVE USED IN PAINTS & COATINGS |
| TITANIUM-TETRACHLORIDE | NR | | | | Y | 1.7609 | N/A | N/A | N/A | NOT RECOMMENDED |
| TOLUENE | 16 | 7 | 20 | 8 | Y | 0.866 | 1 | 5 | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS |
| TOLUENE-XYLENE-BENZENE | 16 | 7 | 8 | | Y | 1.22 | N/A | N/A | N/A | AND PEIRYLENE |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|-------------------------------|-------------------------|--------|---------------------------|-------|--|------------------|------------|--------|--|------|
| | BUNA | TEFLON | VITON | OTHER | | | | | | |
| TOLUENE-DIISOCYANATE | 8 | | Y | | | 1.22 | N/A | N/A | ALSO SEE ISOCYANATE PRODUCT MUST BE WATER FREE VISC. RANGES FROM 38 TO 750 SSU | |
| | | | | | | | | | SLIGHTLY CORROSIVE TO COPPER AND ALUMINUM. COPPER, ZINC, AND IRON ALLOYS CAUSE PRODUCT DETERIORATION. | |
| | | | | | | | | | ALSO KNOWN AS TDI. | |
| TOLUENE-MIX--SEE-NOTES | 16 | 7 | 8 | | | 1.8 | N/A | N/A | 50% TOLUENE AND 50% LACOLENE | |
| TOLUENE/OIL-BASE PAINT | 15 | 27 | 8 | | | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |
| TOLUOL | 16 | 7 | 20 | 8 | | 0.866 | N/A | 0.0006 | CLASS 20 USE STAINLESS STEEL TIMING GEARS OBSOLETE NAME FOR TOLUENE | |
| TOMATO-PUREE | 8 | | | | | N/A | N/A | N/A | | |
| TOMATOE-PASTE | 8 | | | | | N/A | N/A | N/A | HERBICIDE & DEFOLIANT | |
| TORDON-2696 | 4 | 8 | | | | N/A | N/A | N/A | USE HAS BEEN RESTRICTED SAME AS PICLORAM... TOXIC BY INHALATION & INGESTION | |
| | | | | | | | | | CLASS 4 USE STAINLESS STEEL TIMING GEARS MAGNETIC DRIVE RECOMMENDED | |
| | | | | | | | | | | |
| TOXAPHENE-90% | 8 | | | | | 1.66 | N/A | N/A | | |
| TRANSFORMER-OIL | 1 | 16 | 7 | | | N/A | N/A | 0.0004 | TRADE NAMES DEXRON AND MERCON | |
| TRANSMISSION-FLUID | 1 | 16 | 7 | | | 0.87 | 34 | 185 | ALSO REFERENCE ATF HERBICIDE | |
| TREFLAN--HERBICIDE | 30 | 15 | 27 | 8 | | N/A | N/A | N/A | M-5 USE CLASS 30 ... MAX 25 GPM M-7 & M-15 USE CLASS 15 M-7 MAX 80 GPM ... M-15 MAX 90 GPM CLASS 8 USE TEFLON INSERT BEARINGS | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TRIBUTYL-PHOSPHATE | 7 | 8 | | | | 0.978 | N/A | N/A | 0.0004 | |
| TRICHLORO-122-TRIFLUOROETHANE | 7 | 8 | | | | 1.42 | N/A | N/A | CARBON BEARING PLATE INSERTS NOT RECOMMENDED | |
| TRICHLOROACETIC-ACID | NR | | | | | 1.62 | N/A | N/A | | |
| TRICHLOROBENZENE-1,2,4 | 7 | 8 | | | | 1.463 | N/A | N/A | | |
| TRICHLOROETHANE | 7 | 8 | | | | 1.443 | N/A | N/A | 0.0007 | |
| TRICHLOROETHANE-1,1,1 | 7 | 8 | | | | 1.325 | N/A | N/A | 0.0007 | |
| TRICHLOROETHYLENE | 7 | 8 | | | | 1.456 | 0.54 | 0.0006 | CARBON BEARING PLATE INSERTS PRODUCT MUST BE FREE OF WATER | |
| TRICHLOROETHYLENE-METHYLENE | 7 | 8 | | | | N/A | N/A | N/A | CARBON BEARING PLATE INSERTS CONSISTS OF: 70% TRICHLOROETHYLENE, 15% CREOSOL AND 15% DIETHANOLINE TEFLON SEALS | |
| TRICHLOROETHYLENE-MIX- | 7 | 8 | | | | N/A | N/A | N/A | TRADE NAME: KRONITEX | |
| | | | | | | | | | | |
| TRICRESYL-PHOSPHATE-SEE-NOTES | 7 | 8 | | | | 1.162 | N/A | N/A | | |
| TRIDECYL-ALCOHOL | 16 | 7 | 8 | | | 0.845 | N/A | N/A | | |
| TRITHANOLAMINE | 16 | 7 | 8 | | | 1.126 | N/A | N/A | 0.0003 | |
| TRIMETHYLAMINE | 7 | 8 | | | | 0.7293 | N/A | N/A | CL 8 USE NON-PLATED SS316 SLEEVES | |
| TRIETHYLENE-GLYCOL | 1 | 16 | 7 | | | 1.12 | 100 | 500 | 0.0004 | |
| TRIMETHYLAMINE-(AQUEOUS) | 7 | 8 | | | | 0.662 | N/A | N/A | N/A | |
| TRIMETHYLPENTANE | 10 | | | | | 0.692 | N/A | N/A | N/A | |
| TRIMETHYLPHENOL | 8 | | | | | N/A | N/A | N/A | N/A | |
| TRIPHENYL-PHOSPHITE | 8 | | | | | 1.2 | | | SYNONYMS: PHOSPHOROUS ACID, TRIPHENYL ESTER, TPP, PHOSPHORIC ACID | |
| | | | | | | | | | CL 8 USE TEFLON SEALS AND TEFLON INSERT BEARINGS | |
| TRISODIUM-NTA | 8 | | | | | 1.3 | | | SAME AS TRISODIUM NITRILTRIACETATE | |
| | | | | | | | | | SAME AS: SODIUM PHOSPHATE TRIBASIC | |
| TRISODIUM-PHOSPHATE | 7 | 8 | | | | 1.62 | N/A | N/A | | |
| TRITON-X-100 | 1 | 16 | 7 | | | N/A | N/A | N/A | | |
| TUNG-OIL | 1 | 16 | 7 | | | 0.936 | N/A | N/A | | |
| TURPENTINE | 16 | 7 | 20 | 8 | | 0.87 | 1 | 5 | CLASS 20 USE STAINLESS STEEL TIMING GEARS ALSO CALLED POLYSORBATE 20 | |
| TWEEN-20 | 7 | 8 | | | | 1.08 | | | USED AS SURFACTANT AND SPREADING AGENT FOR PHOTO PRINT MAKING | |
| | | | | | | | | | USED IN MAKING FOOT POWDERS, SOLIDIFIES AT AMBIENT TEMPERATURES HOT OIL JACKET (STEAM TRACE) | |
| UNDECYLENIC-ACID-(SEE-NOTES) | 8 | | | | | 0.913 | N/A | N/A | | |
| | | | | | | | | | | |
| URANINE-AQUEOUS-SOLUTION-20% | 0 | | | | | N/A | N/A | N/A | | |
| UREA | 30 | 15 | 27 | 8 | | 1.335 | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS | |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|----|---------------------------|---|------------------|------------|------|--------------------|---|
| | 30 | 15 | 27 | 8 | | | | | |
| UREA-25%-WITH-75%-ORGANIC-DYE | | | | | 1.335 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| UREA-FORMALDEHYDE-RESIN-ALKYLA | 8 | | | | 1.01 | 2 | | | WATER SOLUTION CYMEL U-662 PRODUCED BY CYTEC ALKYLATED UREA FORMALDEHYDE RESIN DYNAMIC VISCOSITY: 20 POISE @ 25 C STAINLESS STEEL 304 OR 316 KALRES ALSO RECOMMENDED |
| UREA-WITH-SOLIDS-(SEE-NOTES) | 27 | 8 | | | 1.335 | N/A | N/A | N/A | BUINA SEALS WILL SHOW SOFTENING DUE TO THE AMINO RESINS VITON EXCELLENT WITH ISOBUTANOL BUT UP TO 75 F CYMEL U-662 CONTAINS 28% OF ISOBUTANOL |
| VACUUM-GAS-OIL | 1 | 16 | 7 | | 0.88 | 73.2 | 366 | 0.0004 | CLASS 8 USE TEFLON INSERT BEARINGS CONTAINS: DIAMMONIUM PHOSPHATE 50, POTASSIUM CHLORIDE 20, 6% OF 38.5 STRENGTH SULPHURIC ACID, 10% UREA, 14% WATER PH 5 TO 6 TEFLON SEALS EXPANSION COEFF. ESTIMATED FROM SIMILAR LUBE OILS USED AS A VACUUM PUMP LUBE OIL |
| VAPAM-HL | 30 | 15 | 27 | 8 | | | | | CL 8 USE TEFLON INSERT BEARINGS SODIUM METHYLDITHIOCARBAMATE, METAM SODIUM |
| VAPAM-SOIL-FUMIGANT | 8 | | | | N/A | 5 | 25 | N/A | SOIL FUMIGANT SOLUTION FOR CROPS PH 9.0-10.5 |
| VARNISH | 15 | 20 | 8 | | N/A | 1600 | 8000 | N/A | PRODUCT OF STAUFFER CHEM. CO. |
| VARSOL | 16 | 7 | 8 | | 0.8 | 1.25 | 32 | 0.0006 | CLASS 8 USE TEFLON INSERT BEARINGS CLASS 20 USE STAINLESS STEEL TIMING GEARS SIMILAR TO STODDARD SOLVENT |
| VEGETABLE-OIL | 3 | 14 | 37 | 8 | 0.95 | 10 | 50 | 0.0004 | NEUTRAL pH VALUE |
| VEGETABLE-SHORTENING | 3 | 14 | 37 | 8 | 0.91 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS 150 TO 1500 SSU SOYBEAN OIL BASE |
| VESTANAT | 7 | 8 | | | 1.06 | 15 | 80 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS ALSO CALLED ISOPHORONE DIISOCYANATE |
| VINEGAR | 8 | | | | 1.04 | N/A | N/A | 0.0006 | NOT RECOMMENDED |
| VINEGAR-(14%-ACETIC-ACID-AND | 8 | | | | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS MAINLY USED IN ADHESIVES AND PAINTS |
| VINEGAR--120-GRAIN | 8 | | | | 1.04 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS CLASS 8 USE TEFLON INSERT BEARINGS VISCOSITY 10,000 TO 15,000 SSU |
| VINEGAR--SALT-AND-MUSTARD | 8 | | | | 1.04 | N/A | N/A | N/A | MAINLY USED IN ADHESIVES AND PAINTS |
| VINEGAR-AND-SUGAR | 8 | | | | 1.11 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| VINEGAR-W/5%-ACETIC-ACID | NR | | | | 1.04 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| VINYL-ACETATE | 15 | 27 | 8 | | 0.934 | N/A | N/A | 0.0004 | 16% MEK, 42% TOLUOL VISCOSITY MAY VARY - EVEN TO SLURRY FORM |
| VINYL-ACETATE-HOMOPOLYMER | 15 | 8 | | | 0.9345 | N/A | N/A | N/A | CLASS 27 USE SS TIMING GEARS CLASS 8 USE TEFLON INSERT BEARINGS |
| VINYL-ACRYLIC | 15 | 8 | | | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| VINYL-ACRYLIC-LATEX | 15 | 8 | | | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| VINYL-CHLORIDE-MONOMER | 7 | 8 | | | 0.92 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| VINYL-COMPOUND- | 15 | 8 | | | N/A | 0.34 | 24 | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| VINYL-ESTER | 15 | 27 | 8 | | | 1 | 30 | | 16% MEK, 42% TOLUOL VISCOSITY MAY VARY - EVEN TO SLURRY FORM |
| VINYL-RESINS | 15 | 8 | | | N/A | N/A | N/A | N/A | CLASS 27 USE SS TIMING GEARS CLASS 8 USE TEFLON INSERT BEARINGS |
| VINYLTOLUENE | 15 | 8 | | | 0.89 | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| WALDORF-BLEND-4 | 16 | 7 | 8 | | 0.842 | | | | ISOPROPANOL 40%, N-PROPYL ACETATE 40% TOLUENE 15%, PROPANOL 5% |
| WASTE-OIL-(RECOVERY-ABRASIVE) | 14 | 37 | 47 | | N/A | N/A | N/A | N/A | SOLVENT BLEND PER ABOVE RATIOS COARSE MESH STRAINER (20M) RECOMMENDED TO PREVENT METER LOCK-UP OR FAILURE |
| WATER-ARSENIC-&-COPPER | 8 | | | | N/A | N/A | N/A | 0.0002 | SELECT STRAINER DESIGNED FOR EASY CLEANING |
| WATER-SOUR-W/5%-HYDROGEN- | 8 | | | | N/A | N/A | N/A | 0.0002 | *SULFIDE |
| WATER-&-OIL | 4 | 20 | 8 | | N/A | 14 | 70 | N/A | |
| WATER-&-ORGANIC-SOLUTION | 30 | 15 | 8 | | 1.2 | 5 | 40 | 0.0002 | CLASS 8 USE TEFLON INSERT BEARINGS |

| LIQUID TO BE METERED | RECOMMENDED METER CLASS | | RECOMMENDED SEAL MATERIAL | | | SPECIFIC GRAVITY | CENTIPOISE | SSU | COEFF OF EXPANSION | TEXT |
|--------------------------------|-------------------------|-------------|---------------------------|--------|-------|------------------|------------|-----|--------------------|--|
| | NR | METER CLASS | BUNA | TEFLON | VITON | | | | | |
| WATER---BOILER-FEED | 20 | 8 | 4 | Y | Y | 1 | N/A | N/A | N/A | NOT RECOMMENDED |
| WATER---CITY | | | | | | 1 | 1.6 | 8 | 0.0002 | CLASS 04 GOOD BELOW 170 F. CLASS 08 GOOD BELOW 210 F. |
| WATER---CUT-BACK | 20 | 8 | 4 | | | N/A | N/A | N/A | 0.0002 | CLASS 20 GOOD BELOW 210 F VALVE SEAT - TEFLON |
| WATER---DE-OXYGENATED | 20 | 8 | 4 | Y | Y | N/A | N/A | N/A | 0.0002 | |
| WATER---DEIONIZED | 4 | 8 | 8 | Y | Y | 1 | 1.6 | 8 | 0.0002 | BRASS NOT RECOMMENDED |
| WATER---DEMINERALIZED | 4 | 8 | 8 | Y | Y | 1 | N/A | N/A | 0.0002 | BRASS NOT RECOMMENDED |
| WATER---DISTILLED | 20 | 8 | 4 | Y | Y | N/A | N/A | N/A | 0.0002 | METERING TEMPERATURE 180 DEG.F MAX. |
| WATER---FRESH | 20 | 8 | 4 | Y | Y | 1 | N/A | N/A | 0.0002 | |
| WATER---HARD-WITH-RAW-SALT | 8 | | | Y | Y | N/A | N/A | N/A | N/A | |
| WATER---PROCESS | 20 | 8 | 4 | Y | Y | N/A | N/A | N/A | 0.0002 | |
| WATER---PURE | 20 | 8 | 4 | Y | Y | 1 | N/A | N/A | 0.0002 | |
| WATER---SALT | 8 | | | Y | Y | N/A | N/A | N/A | N/A | AVOID DISSIMILAR METALS |
| WATER---SALT-&10%-CRUDE | 8 | | | Y | Y | N/A | N/A | N/A | N/A | AVOID DISSIMILAR METALS |
| WATER---SEA | 8 | | | Y | Y | 1.025 | N/A | N/A | 0.0002 | AVOID DISSIMILAR METALS |
| WATER---SEA-W/CAUSTIC-FLUSH | 8 | | | Y | Y | N/A | N/A | N/A | N/A | AVOID DISSIMILAR METALS |
| WATER-70%-SOY-BEAN-CAKE-25% | 30 | 15 | 8 | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS *CLAY 5% |
| WATER-80%-WITH-SODIUM- | 7 | 8 | | Y | Y | N/A | N/A | N/A | N/A | *DOCEYU/SODIUM BENZENESULFONATE |
| WATER-AND-AMMONIA-SULFATE | 8 | | | Y | Y | N/A | N/A | N/A | N/A | |
| WATER-AND-METHANOL | 4 | 8 | 8 | Y | Y | N/A | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS |
| WATER-DISTILLED-W/10%-LACTIC | 4 | 8 | 8 | Y | Y | N/A | N/A | N/A | N/A | CLASS 4 USE STAINLESS STEEL TIMING GEARS USE CLASS 4 UP TO 100 DEG F |
| | | | | | | | | | | USE CLASS 8 IF ABOVE 100 DEG F |
| WATER-HEATED | 20 | 8 | 4 | Y | Y | N/A | N/A | N/A | N/A | *ACID |
| WATER-MIX-(SEE-NOTES) | NR | | | Y | Y | N/A | N/A | N/A | N/A | MAX. OPERATING TEMPERATURE 180 DEG.F. |
| | | | | | | | | | | 15-70% WATER, 10-40% SODIUM SULFATE, 20-45% CAUSTIC |
| WATER-MIXTURE-(SEE-NOTES) | 7 | 8 | | Y | Y | N/A | N/A | N/A | N/A | NOT RECOMMENDED |
| WATER-OILY-(REFINERY) | 14 | | | Y | Y | N/A | N/A | N/A | N/A | WATER WITH 2.7% SODIUM HYDROXIDE, 20% SODIUM SULFATE |
| WATER-ON-OILWELL-SEPARATOR | 4 | 8 | 20 | Y | Y | N/A | N/A | N/A | N/A | DO NOT USE CLASS 20 BRASS METER IF WATER HAS HIGH SULFUR CONTENT |
| WATER-POTABLE | 20 | 8 | 4 | Y | Y | N/A | N/A | N/A | 0.0002 | |
| WATER-SOFT | 20 | 8 | 4 | Y | Y | N/A | N/A | N/A | 0.0002 | |
| WATER-SOLUBLE-RESINS | 15 | 8 | | Y | Y | N/A | N/A | N/A | N/A | CLASS 8 USE TEFLON INSERT BEARINGS |
| WAX---HOT | 14 | 37 | | Y | Y | N/A | N/A | N/A | 0.0008 | |
| WAX---HOT-(MEKON-WHITE-&-NOTE | 14 | 37 | | Y | Y | N/A | N/A | N/A | N/A | MOBIL 150) METERING TEMPERATURE 150-250 DEG F HEAT EXTENSION |
| WAX-MOLTEN | 14 | 37 | | Y | Y | N/A | N/A | 150 | 0.0008 | |
| WHISKEY | 8 | | | Y | Y | N/A | N/A | N/A | N/A | |
| WINE | 8 | | | Y | Y | N/A | N/A | N/A | N/A | |
| WINSHIELD-WASHER-SOLVENT | 4 | 16 | 20 | 8 | Y | | | | | CLASS 16 USE SS GEARS |
| | | | | | | | | | | TYPICALLY WATER/GLYCOL/METHANOL MIXTURE |
| WINTERGREEN-OIL | 3 | 14 | 37 | 8 | Y | 1.185 | N/A | N/A | N/A | VITON NOT RECOMMENDED CHEMICALLY OR FOR LOW TEMPS |
| WOOD-ALCOHOL | 16 | 7 | 8 | Y | Y | 0.7924 | N/A | N/A | 0.0007 | CLASS 8 USE TEFLON INSERT BEARINGS |
| XYLENE | 16 | 7 | 8 | Y | Y | 0.86 | N/A | N/A | 0.0006 | |
| XYLENE-AND-NAPHTHA | 16 | 7 | 8 | Y | Y | 0.86 | N/A | N/A | N/A | |
| XYLENOL | 16 | 7 | 8 | Y | Y | 1.03 | N/A | N/A | N/A | |
| XYLIDINE | 8 | | | N | Y | | | | | SYNONYMS: AMINODIMETHYLBENZENE, AMINOXYLENE, DIMETHYLAMINO BENZENE, N-N DIMETHYL ANILINE (DMA), SPIRITS AND ESSO 100, ALL PRODUCTS THROUGH THE SAME METER |
| XYLOL -VMP-NAPHTHA, MINERAL | 16 | 7 | 8 | Y | Y | N/A | N/A | N/A | N/A | |
| YEAST | 8 | | | Y | Y | N/A | N/A | N/A | N/A | |
| YEAST-SLURRY | 8 | | | Y | Y | N/A | N/A | N/A | N/A | |
| ZINC-BROMIDE-&-CALCIUM-BROMIDE | NR | | | | | 4.219 | N/A | N/A | N/A | NOT RECOMMENDED |
| ZINC-OXIDE | NR | | | | | 5.47 | N/A | N/A | N/A | NOT RECOMMENDED DUE TO ABRASIVENESS CLASS 47 DERATED SHOULD BE CONSIDERED |
| ZINC-SULFATE | 8 | | | Y | Y | 1.96 | N/A | N/A | N/A | CONSULT CUSTOMER SERVICE |



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Lake Bluff, IL 60044-2242
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Fax: 847.295.1057
www.lcmeter.com

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