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# METALWORKING AND MAINTENANCE CHEMICALS



**FLUID360™ SOLUTIONS**  
PRODUCTS AND SOLUTIONS FOR INDUSTRIAL MANUFACTURING



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The items within this catalog are just a sample of the products Ashburn has to offer. Please contact your sales representative to assist you in proper fluid selection.



## CLEANING SOLUTIONS

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## APEX 7000

### MODERATE TO HEAVY-DUTY

- Superior blade, tool and wheel life • Excellent lubricity
- Mild pleasant odor • Superior tramp oil rejection
- Excellent corrosion-protection

| BLUE       |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-4701-14  | 1 gallon        | 4        |
| A-4705-05  | 5 gallon pail   | 1        |
| A-4755-55  | 55 gallon drum  | 1        |
| A-4706-275 | 275 gallon tote | 1        |
| UNDYED     |                 |          |
| PART NO.   | SIZE            | CASE QTY |
| A-4700-05  | 5 gallon pail   | 1        |
| A-4700-55  | 55 gallon drum  | 1        |
| A-4700-275 | 275 gallon tote | 1        |



## APEX 7050

### MODERATE TO HEAVY-DUTY

- Excellent for use in difficult machining of all metals
- Chlorine-free and sulfur free • Non-staining
- Extends tool life • Improves surface finish
- Meets the specifications of Boeing BAC-5008

| BLUE       |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-7051-05  | 5 gallon pail   | 1        |
| A-7051-55  | 55 gallon drum  | 1        |
| A-7051-275 | 275 gallon tote | 1        |
| UNDYED     |                 |          |
| PART NO.   | SIZE            | CASE QTY |
| A-7050-05  | 5 gallon pail   | 1        |
| A-7050-55  | 55 gallon drum  | 1        |
| A-7050-275 | 275 gallon tote | 1        |



## APEX 7030

### MODERATE DUTY

- Does not contain chlorine, sulfur or phosphorous
- Contains anti-foaming agents which are free-rinsing surfactants that will not impair subsequent finishing operations such as painting or plating
- Provides long sump life • Excellent tramp oil rejection
- Good corrosion-protection

| BLUE       |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-7535-05  | 5 gallon pail   | 1        |
| A-7535-55  | 55 gallon drum  | 1        |
| A-7535-275 | 275 gallon tote | 1        |
| UNDYED     |                 |          |
| PART NO.   | SIZE            | CASE QTY |
| A-7536-05  | 5 gallon pail   | 1        |
| A-7536-55  | 55 gallon drum  | 1        |
| A-7536-275 | 275 gallon tote | 1        |

## ASHBURN 7090

### MODERATE TO HEAVY-DUTY

- Provides long-term, worry-free sump life
- Superior blade, tool and wheel life
- Excellent lubricity • Superior tramp oil rejection
- Meets the specifications of Boeing BAC-5008

| BLUE       |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-7090-14  | 1 gallon        | 4        |
| A-7090-05  | 5 gallon pail   | 1        |
| A-7090-55  | 55 gallon drum  | 1        |
| A-7090-275 | 275 gallon tote | 1        |
| UNDYED     |                 |          |
| PART NO.   | SIZE            | CASE QTY |
| A-7091-05  | 5 gallon pail   | 1        |
| A-7091-55  | 55 gallon drum  | 1        |
| A-7091-275 | 275 gallon tote | 1        |



## APEX 7030 WG

### MODERATE DUTY

- Does not contain chlorine, sulfur or phosphorous
- Contains anti-foaming agents which are free-rinsing surfactants that will not impair subsequent finishing operations such as painting or plating
- Provides long sump life • Excellent tramp oil rejection
- Good corrosion-protection

| BLUE       |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-7030-05  | 5 gallon pail   | 1        |
| A-7030-55  | 55 gallon drum  | 1        |
| A-7030-275 | 275 gallon tote | 1        |
| UNDYED     |                 |          |
| PART NO.   | SIZE            | CASE QTY |
| A-7031-05  | 5 gallon pail   | 1        |
| A-7031-55  | 55 gallon drum  | 1        |
| A-7031-275 | 275 gallon tote | 1        |

## APEX HYPERCOOL 200

### GENERAL TO HEAVY-DUTY



- Excellent cooling and lubricating properties for ferrous, non-ferrous including aluminum and exotic metal machining and grinding
- Extreme pressure additive chemistry
- Will not stain aluminum or magnesium
- Safe on yellow metals, aluminum and magnesium
- Free of DEA, nitrites, nitrates, chlorides, sulfur, boron and phenols

| UNDYED      |                 |          |
|-------------|-----------------|----------|
| PART NO.    | SIZE            | CASE QTY |
| A-10200-05  | 5 gallon pail   | 1        |
| A-10200-55  | 55 gallon drum  | 1        |
| A-10200-275 | 275 gallon tote | 1        |

## APEX 7700 EP HEAVY-DUTY

- Clean fluid - leaves no sticky deposits on machine or parts
- Multi-metal compatibility • Excellent corrosion-protection
- Extreme pressure lubricity for extended tool life
- Superior tramp oil rejection for easy skimming
- Mild pH and low odor for greater operator acceptance
- Stable emulsion in hard and soft water

| BLUE       |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-7705-14  | 1 gallon        | 4        |
| A-7705-05  | 5 gallon pail   | 1        |
| A-7705-55  | 55 gallon drum  | 1        |
| A-7705-275 | 275 gallon tote | 1        |
| UNDYED     |                 |          |
| PART NO.   | SIZE            | CASE QTY |
| A-7704-14  | 1 gallon        | 4        |
| A-7704-05  | 5 gallon pail   | 1        |
| A-7704-55  | 55 gallon drum  | 1        |
| A-7704-275 | 275 gallon tote | 1        |



## APEX 7900 MODERATE TO HEAVY-DUTY

- Clean fluid - leaves no sticky deposits on machine or parts
- Non-chlorinated • Low foam • Extreme corrosion-protection
- Very stable in hard water • Odor-free for extended periods
- Provides long sump life without the use of additives
- Meets the specifications of Boeing BAC-5008

| BLUE       |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-7901-05  | 5 gallon pail   | 1        |
| A-7901-55  | 55 gallon drum  | 1        |
| A-7901-275 | 275 gallon tote | 1        |
| UNDYED     |                 |          |
| PART NO.   | SIZE            | CASE QTY |
| A-7900-14  | 1 gallon        | 4        |
| A-7900-05  | 5 gallon pail   | 1        |
| A-7900-55  | 55 gallon drum  | 1        |
| A-7900-275 | 275 gallon tote | 1        |



## APEX 8500 HEAVY-DUTY

- Extreme pressure lubricity for extended tool life
- Replaces straight oils in many applications
- Clean fluid - leaves no sticky deposits on machine or parts
- Multi-metal compatibility • Excellent corrosion-protection
- Superior tramp oil rejection for easy skimming
- Mild pH and low odor for greater operator acceptance
- Stable emulsion in hard and soft water

| UNDYED     |                 |          |
|------------|-----------------|----------|
| PART NO.   | SIZE            | CASE QTY |
| A-8500-05  | 5 gallon pail   | 1        |
| A-8500-55  | 55 gallon drum  | 1        |
| A-8500-275 | 275 gallon tote | 1        |



## APEX 3500

### MODERATE DUTY

- Forms a transparent solution providing a clear view of the work piece • Protects machine from rust and corrosion
- Can be used as a tube mill fluid for use in pipe upsetter and pipe threading operations
- Non-foaming • Extends tool and wheel life
- Superior tramp oil rejection
- No sulfur, phosphorous, chlorine or other halogens

| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-3500-14     | 1 gallon        | 4        |
| A-3500-05     | 5 gallon pail   | 1        |
| A-3500-55     | 55 gallon drum  | 1        |
| A-3500-275    | 275 gallon tote | 1        |

| UNDYED PART NO. | SIZE            | CASE QTY |
|-----------------|-----------------|----------|
| A-3501-05       | 5 gallon pail   | 1        |
| A-3501-55       | 55 gallon drum  | 1        |
| A-3501-275      | 275 gallon tote | 1        |



## ASHBURN 3030

### MODERATE DUTY

- Forms a solution to resist tramp oil contamination
- Protects machine from rust and corrosion and fluid residue will protect ways and slides • Non-foaming
- Does not contain chlorine, sulfur, phosphorous or other halogens
- Reduces wheel dressing frequency
- Extends tool and wheel life
- Superior tramp oil rejection

| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-3030-14     | 1 gallon        | 4        |
| A-3030-05     | 5 gallon pail   | 1        |
| A-3030-55     | 55 gallon drum  | 1        |
| A-3030-275    | 275 gallon tote | 1        |



## APEX 6000

### MODERATE TO HEAVY-DUTY

- Formulated to provide superior corrosion-protection
- Fluid residue protects ways and slides
- Exceptional tramp oil rejection
- Reduces wheel dressing frequency
- Low foaming • Extends tool and wheel life

| BLUE PART NO. | SIZE           | CASE QTY |
|---------------|----------------|----------|
| A-6003-14     | 1 gallon       | 4        |
| A-6004-05     | 5 gallon pail  | 1        |
| A-6055-55     | 55 gallon drum | 1        |

| UNDYED PART NO. | SIZE           | CASE QTY |
|-----------------|----------------|----------|
| A-6002-05       | 5 gallon pail  | 1        |
| A-6002-55       | 55 gallon drum | 1        |



## APEX 6420

### MODERATE DUTY

- Excellent stability in hard and soft water applications to ensure minimal residue build-up
- Low foaming in all water conditions
- Good rust and corrosion-protection
- Quickly rejects tramp oil to the surface
- Prevents bimetallic corrosion
- Works as an excellent hydrostatic testing fluid

| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-6420-05     | 5 gallon pail   | 1        |
| A-6420-55     | 55 gallon drum  | 1        |
| A-6420-275    | 275 gallon tote | 1        |

## APEX 6500

### HIGH LUBRICITY - HEAVY-DUTY

- Increased lubricity vs. conventional synthetic coolants
- Leaves soft fluid residue to protect machine tool and parts
- Will not interfere with heat treating or welding
- Prevents corrosion on ferrous and most non-ferrous metals
- Excellent stability in hard and soft water applications to ensure minimal residue build-up
- Quickly rejects tramp oils to the surface
- Very low carry-off reduces coolant consumption

| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-6500-14     | 1 gallon        | 4        |
| A-6500-05     | 5 gallon pail   | 1        |
| A-6500-55     | 55 gallon drum  | 1        |
| A-6500-275    | 275 gallon tote | 1        |

| UNDYED PART NO. | SIZE            | CASE QTY |
|-----------------|-----------------|----------|
| A-6501-14       | 1 gallon        | 4        |
| A-6501-05       | 5 gallon pail   | 1        |
| A-6501-55       | 55 gallon drum  | 1        |
| A-6501-275      | 275 gallon tote | 1        |



## APEX 6590

### HIGH LUBRICITY - HEAVY-DUTY

- Designed for the most difficult machining applications
- Increased lubricity vs. conventional synthetic coolants
- Superior rust and corrosion-protection for both ferrous and non-ferrous metals
- Excellent stability in hard and soft water applications to ensure minimal residue build-up
- Quickly rejects tramp oils to the surface
- Very low carry-off reduces coolant consumption

| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-6590-05     | 5 gallon pail   | 1        |
| A-6590-55     | 55 gallon drum  | 1        |
| A-6590-275    | 275 gallon tote | 1        |

## AQUA COOL

### GENERAL PURPOSE

- Forms a stable emulsion that resists tramp oil contamination
- Provides long-term, worry-free sump life
- Extends tool life • Good tramp oil rejection
- Excellent lubricity and EP properties
- Excellent corrosion-protection



| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-4003-14     | 1 gallon        | 4        |
| A-4004-05     | 5 gallon pail   | 1        |
| A-4005-55     | 55 gallon drum  | 1        |
| A-4005-275    | 275 gallon tote | 1        |

## APEX 9000

### MODERATE TO HEAVY-DUTY

- Forms a stable emulsion that resists tramp oil contamination
- Resists bacteria and fungus
- Provides long-term, worry-free sump life
- Excellent lubricity and EP properties
- Extends tool life
- Excellent corrosion-protection
- Superior tramp oil rejection



| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-4113-14     | 1 gallon        | 4        |
| A-4114-05     | 5 gallon pail   | 1        |
| A-4115-55     | 55 gallon drum  | 1        |
| A-4115-275    | 275 gallon tote | 1        |

## APEX 9100

### MODERATE TO SEVERE DUTY

- Forms a stable emulsion that resists tramp oil contamination
- Resists bacteria and fungus
- Extends tool life • Excellent sump life
- Excellent lubricity and EP properties
- Superior tramp oil rejection
- Excellent corrosion-protection



| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-9100-14     | 1 gallon        | 4        |
| A-9100-05     | 5 gallon pail   | 1        |
| A-9100-55     | 55 gallon drum  | 1        |
| A-9100-275    | 275 gallon tote | 1        |

| UNDYED PART NO. | SIZE            | CASE QTY |
|-----------------|-----------------|----------|
| A-9101-05       | 5 gallon pail   | 1        |
| A-9101-55       | 55 gallon drum  | 1        |
| A-9101-275      | 275 gallon tote | 1        |

## APEX 9500

### HEAVY-DUTY

- Forms a stable emulsion that resists tramp oil contamination
- Resists bacteria and fungus • Greatly extends tool life
- Excellent lubricity and EP properties
- Superior sump life
- Superior tramp oil rejection
- Excellent corrosion-protection



| BLUE PART NO. | SIZE            | CASE QTY |
|---------------|-----------------|----------|
| A-9501-14     | 1 gallon        | 4        |
| A-9502-05     | 5 gallon pail   | 1        |
| A-9503-55     | 55 gallon drum  | 1        |
| A-9504-275    | 275 gallon tote | 1        |





## MIKE-O-THREAD DARK AND LIGHT THREAD CUTTING OILS

- Premium quality, heavy-viscosity cutting oil
- Superb cutting ability • Penetrates quickly
- Provides an excellent finish on threads
- Extreme pressure additives provide excellent lubrication in severe cutting applications

| <b>DARK</b>  |                |          |
|--------------|----------------|----------|
| PART NO.     | SIZE           | CASE QTY |
| E-3003-14    | 1 gallon       | 4        |
| E-3004-05    | 5 gallon pail  | 1        |
| E-3005-55    | 55 gallon drum | 1        |
| <b>LIGHT</b> |                |          |
| PART NO.     | SIZE           | CASE QTY |
| E-2003-14    | 1 gallon       | 4        |
| E-2004-05    | 5 gallon pail  | 1        |
| E-2005-55    | 55 gallon drum | 1        |



## MIKE-O-DRILL DH-60 EP CUTTING OIL

- Superior EP and polar lubricity additives
- Light viscosity • Excellent chip removal
- Increases blade and tool life
- For use in severe applications including deep hole drilling, heavy cutting and sawing on both ferrous and nonferrous materials

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2253-14 | 1 gallon       | 4        |
| E-2254-05 | 5 gallon pail  | 1        |
| E-2255-55 | 55 gallon drum | 1        |



## MIKE-O-DRILL TP-60 EP CUTTING OIL

- Excellent EP and lubricity additives
- Light viscosity
- Excellent chip removal
- Increases blade and tool life

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2385-14 | 1 gallon       | 4        |
| E-2385-05 | 5 gallon pail  | 1        |
| E-2385-55 | 55 gallon drum | 1        |



## MIKE-O-THREAD SM-60

### CHLORINE-FREE CUTTING OIL

- Premium quality, transparent, light-colored, heavy-duty, chlorine-free cutting oil
- Superior EP and lubricity additives
- Light viscosity • Superior anti-mist properties
- Excellent finish • Superior rust protection • Extends tool life
- Excellent for screw machines and threading operations

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-3610-14 | 1 gallon       | 4        |
| E-3610-05 | 5 gallon pail  | 1        |
| E-3610-55 | 55 gallon drum | 1        |

## MIKE-O-HONE

### CHLORINE-FREE HONING OIL

- Excellent penetration
- Promotes flow of fines
- High sulfur content
- Provides excellent surface finish
- For use in moderate to heavy-duty applications on ferrous materials

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-6223-14 | 1 gallon       | 4        |
| E-6224-05 | 5 gallon pail  | 1        |
| E-6225-55 | 55 gallon drum | 1        |



## MIKE-O-THREAD SM-180

### CHLORINE-FREE CUTTING OIL

- Premium quality, transparent, light-colored heavy-duty, chlorine-free cutting oil • Superior rust protection
- Offers excellent anti-weld properties and forms effective boundary lubrication which reduces heat and extends tool life
- Superior EP and lubricity additives • Excellent finish
- Medium viscosity • Superior anti-mist properties

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| E-3630-05  | 5 gallon pail   | 1        |
| E-3630-55  | 55 gallon drum  | 1        |
| E-3630-275 | 275 gallon tote | 1        |

## ASHBURN EDM OIL

- Light viscosity EDM oil • High flash-point
- Excellent dielectric strength
- Protects the machine from rust and corrosion

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2802-05 | 5 gallon pail  | 1        |
| E-2803-55 | 55 gallon drum | 1        |

## GRINDING OIL CFO

### CHLORINE-FREE GRINDING OIL

- Premium quality, transparent, light-colored, heavy-duty, chlorine-free grinding oil
- Medium viscosity • Long-lasting
- Excellent EP and lubricity additives • Excellent finish
- Superior anti-mist properties • Excellent swarf removal
- Superior rust protection • Extends wheel life

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2504-05 | 5 gallon pail  | 1        |
| E-2504-55 | 55 gallon drum | 1        |

## ASHBURN WAX STICK

### MULTI-PURPOSE WAX LUBRICANT

- Safer for the environment • Unaffected by heat from friction
- Improves finish and size • Very easy to use
- Often used as a replacement for tapping and cutting fluids
- Ideal for sawing, drilling, tapping, pipe threading and as a cement form release agent

| PART NO.  | SIZE | CASE QTY |
|-----------|------|----------|
| E-6001-01 | 1 lb | 24       |



## ASHBURN VXT 100

### PERFORMANCE CUTTING OIL

- High-performance cutting oil • Vegetable ester-based
- Excellent lubricity and boundary film lubrication
- Heavy-duty applications • Extreme pressure additives
- High flash-point • Low VOC

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| E-1200-05  | 5 gallon pail   | 1        |
| E-1200-55  | 55 gallon drum  | 1        |
| E-1200-275 | 275 gallon tote | 1        |



## TD FOAMY

### AEROSOL TAPPING FLUID

- Extreme-duty tapping and drilling fluid • Superior finish and threads
- Extends tool life • Excellent foaming action • Use on all metals
- Works on ferrous and nonferrous materials
- Can be applied before or during the cutting operation

| PART NO.  | SIZE                                | CASE QTY |
|-----------|-------------------------------------|----------|
| D-1502-20 | 20 oz. aerosol<br>(Net. wt. 17 oz.) | 12       |



## MIKE-O-CUT 87

### EXTREME DUTY TAPPING FLUID

- Thick fluid - sticks to the tool • Extends tool life
- Use for the most difficult applications including tapping and drilling tough stainless steel, carbon steel, inconel, monel, hastalloy, titanium, aluminum and other alloys and exotics
- Provides excellent finish and accurate threads
- Increases productivity • Will not evaporate
- Can be used on all metals

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| D-1330-04 | 4 oz.          | 24       |
| D-1332-16 | 16 oz. bottle  | 12       |
| D-1333-14 | 1 gallon       | 4        |
| D-1334-05 | 5 gallon pail  | 1        |
| D-1335-55 | 55 gallon drum | 1        |



## MIKE-O-CUT LV

### LIGHT VISCOSITY TAPPING FLUID

- Light viscosity • Heavy-duty applications
- Excellent finish and size
- Ideal for use in a recirculating tapping fluid system

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| D-1352-16 | 16 oz. bottle  | 12       |
| D-1353-14 | 1 gallon       | 4        |
| D-1354-05 | 5 gallon pail  | 1        |
| D-1355-55 | 55 gallon drum | 1        |

## PUMP SPRAY LUBRICANT

- For drilling, tapping, sawing and other machining applications
- Excellent cooling and lubrication in metal cutting
- Use on ferrous and non-ferrous materials
- Environmentally safe
- Convenient pump spray bottle

| PART NO.  | SIZE  | CASE QTY |
|-----------|-------|----------|
| D-1340-08 | 8 oz. | 12       |



Nonfood Compounds  
Program Listed H1



## ASHBURN DEEP DRAW

### WATER-SOLUBLE OIL

- Superior EP and lubricity additives • Good rust protection
- Stable emulsion
- Increases die life
- Reduced frictional wear and welding

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2463-14 | 1 gallon       | 4        |
| E-2464-05 | 5 gallon pail  | 1        |
| E-2465-55 | 55 gallon drum | 1        |

## VANISHING OIL ML

### EVAPORATIVE OIL

- Excellent EP and lubricity additives • No residue
- Ideal for drawing and stamping light gauge material
- Non-reactive to metals
- Excellent lubrication
- Works on ferrous and nonferrous materials

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-7521-14 | 1 gallon       | 4        |
| E-7522-05 | 5 gallon pail  | 1        |
| E-7523-55 | 55 gallon drum | 1        |

## VANISHING OIL QD

### EVAPORATIVE OIL

- Quick drying • No residue • Non-reactive to metals
- Excellent lubrication
- Ideal for drawing and stamping light gauge material

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-7530-14 | 1 gallon       | 4        |
| E-7530-05 | 5 gallon pail  | 1        |
| E-7530-55 | 55 gallon drum | 1        |

## DS 2600

### WATER-SOLUBLE OIL

- Superior lubricity and EP properties • Good rust protection
- Stable emulsion • Improves finish
- Increases die life
- Reduced frictional wear and welding

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2600-05 | 5 gallon pail  | 1        |
| E-2600-55 | 55 gallon drum | 1        |

## DS 2475

### MEDIUM VISCOSITY OIL

- Improves finish • Excellent die life
- Reduces frictional wear and welding
- Residual coating can be welded through

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| E-2475-05  | 5 gallon pail   | 1        |
| E-2475-55  | 55 gallon drum  | 1        |
| E-2475-257 | 275 gallon tote | 1        |

## ASHBURN DS 2400

### LIGHT VISCOSITY OIL

- Drawing oil fortified with extreme pressure additives to be used in a wide range of applications and severity
- Good rust protection • Superior EP and lubricity additives
- Increases die life • Light viscosity • Improves finish
- Reduces frictional wear and welding

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2400-05 | 5 gallon pail  | 1        |
| E-2400-55 | 55 gallon drum | 1        |

## ASHBURN DS 2470

### MEDIUM VISCOSITY OIL

- Heavy-duty drawing and stamping oil designed to be used in a wide range of applications and severity
- Does not contain phosphorous • Good rust protection
- Superior EP and lubricity additives
- Excellent die life
- Improves finish
- Reduced frictional wear and welding

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2470-05 | 5 gallon pail  | 1        |
| E-2470-55 | 55 gallon drum | 1        |

## ASHBURN DS 6000 PLUS

### SYNTHETIC FLUID

- Synthetic drawing and stamping fluid for a wide range of applications
- Can be used straight or diluted with water

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| E-2661-05 | 5 gallon pail  | 1        |
| E-2661-55 | 55 gallon drum | 1        |

## DS 2480

### HEAVY VISCOSITY OIL

- Superior EP and lubricity additives • Improves finish
- Excellent tool and die life • Does not contain silicone
- Reduces frictional wear and welding
- Does not contain phosphorous or sulfur

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| E-2480-14  | 1 gallon        | 4        |
| E-2480-05  | 5 gallon pail   | 1        |
| E-2480-55  | 55 gallon drum  | 1        |
| E-2480-275 | 275 gallon tote | 1        |

## DS 2485

### HEAVY VISCOSITY OIL

- Superior EP and lubricity properties
- Excellent tool and die life
- Does not contain silicone
- Reduced frictional wear and welding

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| E-2485-14  | 1 gallon        | 4        |
| E-2485-05  | 5 gallon pail   | 1        |
| E-2485-55  | 55 gallon drum  | 1        |
| E-2485-275 | 275 gallon tote | 1        |



# MICRO LUBRICANTS

Mike-O-Lube products are environmentally friendly, non-hazardous cutting fluids designed for use in all micro-lubricant applicators. Unlike mist applications, micro-lubricants are delivered in a straight line of droplets onto the cutting tool. There is no mist or fog created. Mike-O-Lube products can be used on all metals for drilling, tapping, turning, milling, sawing, stamping, punching and other operations.

## NATURAL BASED OILS

### MIKE-O-LUBE 200

Medium to heavy-duty cutting lubricant

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| E-0200-01 | 1 gallon      | 4        |
| E-0200-05 | 5 gallon pail | 1        |

### MIKE-O-LUBE 300

Medium duty cutting lubricant - economy

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| E-0300-01 | 1 gallon      | 4        |
| E-0300-05 | 5 gallon pail | 1        |

## SYNTHETIC OILS

### MIKE-O-LUBE 610

Heavy-duty non-chlorinated EP cutting lubricant

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| E-0610-01 | 1 gallon      | 4        |
| E-0610-05 | 5 gallon pail | 1        |

### MIKE-O-LUBE 690

Light viscosity aluminum sawing and cutting lubricant

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| E-0690-01 | 1 gallon      | 4        |
| E-0690-05 | 5 gallon pail | 1        |

### EXTREME STAMP

Heavy-duty stamping lubricant

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| E-0700-01 | 1 gallon      | 4        |
| E-0700-05 | 5 gallon pail | 1        |

## SYNTHETIC WATER-BASED

### MIKE-O-LUBE 400

Synthetic water-based cutting lubricant

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| E-0400-01 | 1 gallon      | 4        |
| E-0400-05 | 5 gallon pail | 1        |



# LAYOUT FLUIDS

## LAYOUT INK REMOVER

### AEROSOL

- Fast acting • Safe on most surfaces
- No residue • Non-corrosive
- Also effective as a solvent/degreaser
- Removes inks, adhesives, thin paints and lacquer

BOV

| PART NO.   | SIZE  | CASE QTY |
|------------|---|----------|
| G-B5009-20 | 20 oz. aerosol<br>Contains 16 fl. oz. (473 mL)<br>Net. wt. 13.3 oz. (378 g) | 12       |



## COOLANT COALESCER

- One step coolant maintenance
- Keeps coolant clean
- Keeps machine cleaner
- Reduces waste
- Removes tramp oil 24/7
- Extends coolant sump life
- Reduces down time
- No more messy tramp oil drip pans
- Keeps coolant aerated
- No stagnant sump odors
- Reduces bacterial growth
- Simple to operate
- Easy to install
- Plug it in and watch it work



| PART NO.  | SIZE      |                   |
|-----------|-----------|-------------------|
| C-3002-15 | 20 gallon | Fixed Intake Unit |

## REFRACTOMETER

- Reduces foul odors
- Prolongs coolant life
- Prevents smoke
- Better overall product performance
- Reduces overall costs of production



| PART NO.  | SIZE                       |
|-----------|----------------------------|
| C-BRIX-18 | Refractometer (0-18 Scale) |
| C-BRIX-32 | Refractometer (0-32 Scale) |



## REVERSIBLE DRUM PUMP

- No moving parts
- Driven by air not electricity
- Built in pressure relief and vacuum relief systems
- Stainless steel construction
- Auto system shutoff to prevent overflow
- Fits standard closed head drum
- Kit is complete with spill recovery tools

| PART NO.    | SIZE                     |
|-------------|--------------------------|
| K-DPK-200-3 | Reversible Drum Pump Kit |

## PREMIXER/PROPORTIONER

- Simple and accurate
- Premixing method
- Easily changeable metering tips
- No moving parts = No maintenance

| PART NO. | SIZE                  |
|----------|-----------------------|
| C-10500  | Premixer/Proportioner |



## COOLANT CONDITIONER SUMPSIDE ADDITIVE

- For use in synthetic coolants only
- Eliminates foul odors • Prolongs life of synthetic coolant
- One pint of product will treat 100 gallons of diluted coolant

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| B-4160-16 | 16 oz. bottle | 12       |
| B-4160-14 | 1 gallon      | 4        |
| B-4160-05 | 5 gallon pail | 1        |

## COOLANT CONDITIONER SS SUMPSIDE ADDITIVE

- For use in semi-synthetic and synthetic coolants
- Designed for treating individual machine sumps and central coolant systems
- Glycol-based, alkaline, non-phosphate product
- Contains no solvents or oil
- Cleaning action helps remove coolant residues, contaminating lube oils and biofilms

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| B-4164-16 | 16 oz. bottle | 12       |
| B-4164-14 | 1 gallon      | 4        |
| B-4164-05 | 5 gallon pail | 1        |

## COOLANT REJUVENATOR SUMPSIDE ADDITIVE

- Provides better long-term stability of the coolant
- Eliminates foul odors
- Raises the pH level of the diluted metalworking fluid
- One pint of product will treat 50 gallons of diluted coolant
- Prolongs sump life

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| B-4152-16 | 16 oz. bottle  | 12       |
| B-4153-14 | 1 gallon       | 4        |
| B-4154-05 | 5 gallon pail  | 1        |
| B-4155-55 | 55 gallon drum | 1        |



## ASHBURN DEFOAMER CONCENTRATED

- Quickly eliminates foaming problems
- Prevents the development of new foam
- Compatible with all metals

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| B-4997-16 | 16 oz. bottle  | 12       |
| B-4998-14 | 1 gallon       | 4        |
| B-4999-05 | 5 gallon pail  | 1        |
| B-4999-55 | 55 gallon drum | 1        |



## ASHBURN DEFOAMER 4730 HIGHLY CONCENTRATED

- Quickly eliminates foaming problems
- Prevents the development of new foam
- Compatible with all metals

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| B-4730-16 | 16 oz. bottle | 12       |
| B-4730-32 | 1 quart       | 12       |
| B-4730-14 | 1 gallon      | 4        |
| B-4730-05 | 5 gallon pail | 1        |

### ASHBURN 2900RI - RUST INHIBITOR SYNTHETIC WATER-SOLUBLE

- Multi-purpose, synthetic, water-soluble, rust and corrosion preventative
- Designed for in-process protection of ferrous materials
- Provides up to nine months of indoor rust protection
- Leaves a soft, non-tacky residue
- Can also be used as a parts cleaner

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| B-2905-05  | 5 gallon pail   | 1        |
| B-2905-55  | 55 gallon drum  | 1        |
| B-2905-275 | 275 gallon tote | 1        |

### ASHBURN 3200RI - RUST INHIBITOR SYNTHETIC WATER-SOLUBLE

- Heavy-duty, multi-purpose, synthetic, water-soluble rust and corrosion-preventative
- Provides up to nine months of indoor rust protection
- Designed for in-process protection of ferrous and nonferrous materials
- Can be used in circulating coolant systems
- Excellent fluid for use in CNC plasma cutter water tables
- Prevents bacterial growth to provide long-term tank life

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| B-3200-14 | 1 gallon       | 4        |
| B-3200-05 | 5 gallon pail  | 1        |
| B-3200-55 | 55 gallon drum | 1        |



### ENVIROGREEN WITH ION-Z® CONCENTRATE

- A concentrated all purpose cleaner and degreaser with a wide range of applications
- Biodegradable • Non-toxic • Environmentally safe • Pleasant scent

\*Ashburn ion-Z surfactant technology utilizes a unique combination of cationic and nonionic surfactants that work together to quickly penetrate, detach and lift soils and greases to leave surfaces clean and residue-free.

*These products are non-hazardous, non-corrosive and biodegradable.*

| PART NO. | SIZE              | CASE QTY |
|----------|-------------------|----------|
| M-02559  | 1 quart w/trigger | 12       |
| M-02551  | 1 gallon          | 4        |
| M-02555  | 5 gallon pail     | 1        |
| M-02557  | 55 gallon drum    | 1        |
| M-02553  | 275 gallon tote   | 1        |

### ENVIROGREEN WITH ION-Z® AEROSOL

- Heavy-duty cleaner
- Removes grease, grime and soil

BOV

| PART NO. | SIZE  | CASE QTY |
|----------|---|----------|
| M-B02100 | 20 oz. aerosol<br>Contains 16 fl. oz. (473 mL)<br>Net. wt. 17 oz. (482 g) | 12       |



### ENVIROGREEN EXTREME CONCENTRATE

- Extreme-duty cleaning and degreasing • Phenol-free
- For operating temperatures below 150°F
- Removes all grease, grime and soil
- Excellent for automatic parts washers
- For use on machinery, metal parts and surfaces, transmission rebuilders, engine degreasing and industrial equipment

| PART NO. | SIZE            | CASE QTY |
|----------|-----------------|----------|
| M-02701  | 1 gallon        | 4        |
| M-02705  | 5 gallon pail   | 1        |
| M-02707  | 55 gallon drum  | 1        |
| M-02703  | 275 gallon tote | 1        |



### ENVIROGREEN EXTREME HHF CONCENTRATE

- Extreme-duty cleaning and degreasing
- For high-temperature operations up to 180°F
- Removes all grease, grime and soil • Phenol-free
- For use on machinery, metal parts and surfaces, transmission rebuilders, engine degreasing and industrial equipment
- Excellent for automatic parts washers

| PART NO. | SIZE            | CASE QTY |
|----------|-----------------|----------|
| M-02741  | 1 gallon        | 4        |
| M-02745  | 5 gallon pail   | 1        |
| M-02747  | 55 gallon drum  | 1        |
| M-02743  | 275 gallon tote | 1        |

### ENVIROGREEN EXTREME SG

- Bio-based solvent • Excellent for parts washers
- Removes all grease, grime and soil
- Heavy-duty cleaning and degreasing
- NSF K1 Registered

| PART NO. | SIZE            | CASE QTY |
|----------|-----------------|----------|
| M-02801  | 1 gallon        | 4        |
| M-02805  | 5 gallon pail   | 1        |
| M-02807  | 55 gallon drum  | 1        |
| M-02803  | 275 gallon tote | 1        |



Nonfood Compounds  
Program Listed K1

# INDUSTRIAL CLEANERS / DEGREASERS

## WATER-BASED AND BIO-BASED



|                                    | EnviroGreen            | EnviroGreen Extreme                | EnviroGreen Extreme SG   | EnviroGreen Extreme HHF      | EnviroGreen SuperSonic       | EnviroGreen Max                | EcoKlean               |
|------------------------------------|------------------------|------------------------------------|--------------------------|------------------------------|------------------------------|--------------------------------|------------------------|
| <b>Best cleaner/degreaser for:</b> | <i>General purpose</i> | <i>High pressure parts washing</i> | <i>Bio-based solvent</i> | <i>Heavy-duty, high heat</i> | <i>Heavy-duty ultrasonic</i> | <i>Deep cleaning, pre-soak</i> | <i>General purpose</i> |
| <b>SPECS:</b>                      |                        |                                    |                          |                              |                              |                                |                        |
| Low foam                           |                        | ••                                 |                          | ••                           |                              |                                |                        |
| Rust protection                    |                        | ••                                 | •                        | •                            | •                            | ••                             | ••                     |
| Oil rejection                      | ••                     | ••                                 |                          | ••                           | ••                           | ••                             |                        |
| Reduce waste/long-lasting          | ••                     | ••                                 | ••                       | ••                           | ••                           | ••                             |                        |
| Food grade                         |                        |                                    | ••                       |                              |                              |                                | ••                     |
| <b>FOR USE ON:</b>                 |                        |                                    |                          |                              |                              |                                |                        |
| Ferrous metals                     | ••                     | ••                                 | ••                       | ••                           | ••                           | ••                             | ••                     |
| Non-ferrous metals                 | ••                     | ••                                 | ••                       | ••                           | ••                           | ••                             | ••                     |
| Plastic, rubber (not soaking)      | ••                     | ••                                 | ••                       | ••                           | •                            | ••                             | ••                     |
| <b>APPLICATION:</b>                |                        |                                    |                          |                              |                              |                                |                        |
| Soaking                            | •                      | •                                  | ••                       | ••                           | ••                           | ••                             | •                      |
| Agitation                          |                        | ••                                 | ••                       | ••                           | •                            | •                              |                        |
| Spray parts washer                 | •                      | ••                                 | ••                       | ••                           |                              |                                | •                      |
| High heat (up to 180°F)            |                        |                                    |                          | ••                           |                              |                                |                        |
| Portable pressure washing          | ••                     | ••                                 |                          | •                            | •                            | ••                             | ••                     |
| Vibratory media/shaker             |                        | ••                                 |                          | •                            | •                            | •                              | •                      |
| Ultrasonic cleaner                 |                        | ••                                 |                          | ••                           | ••                           | ••                             |                        |
| Adhesive removal                   |                        |                                    | ••                       |                              |                              |                                |                        |

•• Highly recommended      • Recommended  
 \*All can be heated or used at ambient temperature

### ENVIROGREEN MAX CONCENTRATE

- Concentrated • Rapidly removes heavy grease and oil
- Deep-cleaning, penetrating formula • Does not emulsify oil
- Oils quickly float to surface
- Alternative to harsh solvent degreasers
- Low-temperature degreaser

| PART NO. | SIZE            | CASE QTY |
|----------|-----------------|----------|
| M-02751  | 1 gallon        | 4        |
| M-02755  | 5 gallon pail   | 1        |
| M-02757  | 55 gallon drum  | 1        |
| M-02753  | 275 gallon tote | 1        |

### ENVIROGREEN SUPERSONIC

- Powerful, heavy-duty cleaner and degreaser
- Removes baked-on carbon deposits, grease and oil
- Does not emulsify oil • Safe, water-based formula
- Improves ultrasonic • Contains corrosion inhibitors

| PART NO. | SIZE            | CASE QTY |
|----------|-----------------|----------|
| M-02895  | 5 gallon pail   | 1        |
| M-02897  | 55 gallon drum  | 1        |
| M-02893  | 275 gallon tote | 1        |

### ECOKLEAN

- Industrial strength
- No VOC
- Multi-purpose cleaner
- Biodegradable and non-toxic

| READY-TO-USE |                   |          |
|--------------|-------------------|----------|
| PART NO.     | SIZE              | CASE QTY |
| M-02652      | 1 quart w/trigger | 12       |
| M-02641      | 1 gallon          | 4        |
| M-02645      | 5 gallon pail     | 1        |
| M-02647      | 55 gallon drum    | 1        |
| M-02643      | 275 gallon tote   | 1        |

| CONCENTRATE |                 |          |
|-------------|-----------------|----------|
| PART NO.    | SIZE            | CASE QTY |
| M-02651     | 1 gallon        | 4        |
| M-02655     | 5 gallon pail   | 1        |
| M-02657     | 55 gallon drum  | 1        |
| M-02653     | 275 gallon tote | 1        |



Nonfood Compounds Program Listed A1

## WATER-BASED

### AQUEOUS PARTS WASHER CONCENTRATE

- Designed for high-pressure and high-temperature parts washers
- Water-soluble concentrate
- Provides in-process rust protection
- Cuts oil and sludge from machined parts

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| H-7310-14 | 1 gallon       | 4        |
| H-7310-05 | 5 gallon pail  | 1        |
| H-7310-55 | 55 gallon drum | 1        |

### CLEANER DEGREASER XHD CONCENTRATE

- A powerful concentrated, all purpose butyl based cleaner and degreaser
- Removes grease and grime
- Safe • Non-flammable

| PART NO. | SIZE           | CASE QTY |
|----------|----------------|----------|
| M-01991  | 1 gallon       | 4        |
| M-01995  | 5 gallon pail  | 1        |
| M-01997  | 55 gallon drum | 1        |



### MACHINE CLEANER DEGREASER CONCENTRATE

- Specially formulated water-soluble cleaner specifically designed for machine tool sump cleaning
- Cuts oil and sludge and removes bacteria and fungus found in the machine sump and coolant lines
- Will not harm paint at proper dilutions
- Easily removes grease and oil
- Breaks down sludge
- Improves coolant performance

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| H-7403-14 | 1 gallon       | 4        |
| H-7404-05 | 5 gallon pail  | 1        |
| H-7405-55 | 55 gallon drum | 1        |



### ASHBURN MACHINE CLEANER PLUS CONCENTRATE

- Specially formulated water-soluble cleaner specifically designed for machine tool sump cleaning
- Cuts oil and sludge and removes bacteria and fungus found in the machine sump and coolant lines
- Will not harm paint at proper dilutions
- Easily removes grease and oil
- Improves coolant performance

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| H-7400-14 | 1 gallon       | 4        |
| H-7400-05 | 5 gallon pail  | 1        |
| H-7400-55 | 55 gallon drum | 1        |



### ASHBURN FINAL RINSE CONCENTRATE

- Specially formulated water-soluble machine tool sump cleaner designed to be added to old coolant prior to dumping and re-charging with fresh coolant
- Easily removes grease and oil
- Cuts oil and sludge and removes bacteria and fungus in sumps and coolant lines
- Improves coolant performance

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| H-7410-14 | 1 gallon       | 4        |
| H-7410-05 | 5 gallon pail  | 1        |
| H-7410-55 | 55 gallon drum | 1        |



### PARTS WASHER AND DEGREASER SOLVENT-BASED

- Solvent-based parts cleaner designed to remove greases and oils from metal parts • Evaporates quickly
- High flash-point >140°F • Will not harm paint

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| H-7003-14 | 1 gallon       | 4        |
| H-7004-05 | 5 gallon pail  | 1        |
| H-7005-55 | 55 gallon drum | 1        |

### SUPER PARTS WASHER AND DEGREASER SOLVENT-BASED

- Solvent-based parts cleaner that contains a dry film rust inhibitor to prevent flash rusting • Superior cleaning
- Evaporates quickly • Easily removes grease and oil
- High flash-point >140°F • Will not harm paint

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| H-7260-14 | 1 gallon       | 4        |
| H-7260-05 | 5 gallon pail  | 1        |
| H-7260-55 | 55 gallon drum | 1        |

### CLEANER DEGREASER NON-FLAMMABLE AEROSOL

- Powerful solvent degreaser • Contains no CFC's
- Quickly cleans dirt, grease and oil • Non-conductive
- Safe on ferrous and nonferrous metals and most plastics
- Evaporates and leaves no residue

| PART NO. | SIZE                                | CASE QTY |
|----------|-------------------------------------|----------|
| M-05120  | 16 oz. aerosol<br>(Net. wt. 16 oz.) | 12       |



### ELECTRONIC CONTACT & EQUIPMENT CLEANER AEROSOL

- Cleans and degreases electronic equipment or plastic parts
- Does not contain CFCs or HCFCs and is ozone safe
- Removes oil, grease, dirt and grime from circuit boards, computers, magnetic tapes, printed circuits, gauges, switches and relays
- Extremely flammable and must only be used on equipment that has been de-energized
- Fast drying, non-conductive and safe to use on plastics, rubber and metal



| PART NO. | SIZE  | CASE QTY |
|----------|---|----------|
| M-B05140 | 20 oz. aerosol<br>Contains 16 fl. oz. (473 mL)<br>Net. wt. 11.8 oz. (468 g) | 12       |

### CLEANER DEGREASER NO-TRI

- Cleans grease, oil, dirt, moisture and flux from circuit boards, motors, film, relays, ignition switches and other precision equipment
- Extremely flammable and must only be used on equipment that has been de-energized
- Evaporates quickly • Does not contain chlorinated solvents

| PART NO. | SIZE           | CASE QTY |
|----------|----------------|----------|
| M-05141  | 1 gallon       | 4        |
| M-05145  | 5 gallon pail  | 1        |
| M-05147  | 55 gallon drum | 1        |

### SPEED CLEAN DEGREASER AEROSOL

- Non-flammable and non-conductive
- Dielectric strength to 30,000 volts
- Fast drying and residue-free
- Non-corrosive

| PART NO. | SIZE                                | CASE QTY |
|----------|-------------------------------------|----------|
| M-05180  | 20 oz. aerosol<br>(Net. wt. 12 oz.) | 12       |





## PENETRATING LUBE AEROSOL

- Quickly displaces moisture • Non-flammable
- Penetrates to loosen rust and corrosion, cleans, and lubricates moving parts
- Non-conductive up to 30,000 volts

| PART NO. | SIZE                                | CASE QTY |
|----------|-------------------------------------|----------|
| M-25500  | 20 oz. aerosol<br>(Net. wt. 18 oz.) | 12       |



## RPL #2 RUST PREVENTATIVE LUBRICANT

- Non-staining rust preventative and lubricant
- Evaporative and displaces water
- Leaves behind a relatively dry film
- Use as a protective coating on ferrous and nonferrous metals
- Can be used as a parts dip or brushed on

| PART NO.    | SIZE  | CASE QTY |
|-------------|---|----------|
| L-B25100-20 | 20 oz. aerosol<br>Contains 16 fl. oz. (473 mL)<br>Net. wt. 13.5 oz. (376 g) | 12       |
| L-2510-14   | 1 gallon  | 4        |
| L-2511-05   | 5 gallon pail   | 1        |
| L-2512-55   | 55 gallon drum  | 1        |



BOV

## PEN LUBE

- High-performance, multi-purpose lubricating oil
- Penetrates, lubricates, displaces moisture and prevents rust
- Leaves a non-drying, light, protective oily film
- Safe on all metals and most plastics and rubber
- Protects metal parts stored indoors for up to one year
- High flash-point



BOV

| PART NO. | SIZE  | CASE QTY |
|----------|---|----------|
| M-B25350 | 20 oz. aerosol<br>Contains 16 fl. oz. (473 mL)<br>Net. wt. 14 oz. (397 g) | 12       |
| M-25351  | 1 gallon  | 4        |
| M-25355  | 5 gallon pail   | 1        |
| M-25357  | 55 gallon drum  | 1        |

## RPL #5 RUST PREVENTATIVE

- Water-displacing, non-staining rust preventative
- Long-term indoor storage protection
- Leaves an oily lubricating film
- Protects ferrous and nonferrous metals

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| L-2515-14 | 1 gallon       | 4        |
| L-2515-05 | 5 gallon pail  | 1        |
| L-2515-55 | 55 gallon drum | 1        |

## DRY LUBRICANT WITH MOLY AEROSOL

- A dry film lubricant that withstands high-pressure and temperature
- Lubricates moving parts • Protects from rust and corrosion

| PART NO. | SIZE                                | CASE QTY |
|----------|-------------------------------------|----------|
| M-15440  | 16 oz. aerosol<br>(Net. wt. 12 oz.) | 12       |

## METAL PARTS PROTECTOR AEROSOL

- Provides indefinite indoor protection and long-lasting outdoor protection against rust and corrosion
- Dries to a transparent amber color

| PART NO. | SIZE                                  | CASE QTY |
|----------|---------------------------------------|----------|
| M-25550  | 16 oz. aerosol<br>(Net. wt. 12.5 oz.) | 12       |



## MOLY DRY FILM LUBRICANT

- Reduces friction and retards wear
- Temperature range: -40°F to +600°F
- Contains molybdenum disulfide
- Will not attract dust and dirt

| PART NO. | SIZE           | CASE QTY |
|----------|----------------|----------|
| M-15781  | 1 gallon       | 4        |
| M-15785  | 5 gallon pail  | 1        |
| M-15787  | 55 gallon drum | 1        |

## METAL PROTECTIVE COATING

- Prevents rust and corrosion • Easily removed with solvents
- For use on metal parts, pipes, machinery, tools and steel girders
- For all metallic surfaces

| PART NO. | SIZE           | CASE QTY |
|----------|----------------|----------|
| M-27111  | 1 gallon       | 4        |
| M-27115  | 5 gallon pail  | 1        |
| M-27117  | 55 gallon drum | 1        |

## CLEAR COAT 33 - RUST INHIBITOR SYNTHETIC WATER-SOLUBLE

- Multi-purpose, synthetic, water-soluble rust and corrosion preventative
- Provides up to six months of rust protection
- Leaves a soft, non-tacky coating
- Excellent for use on ferrous and nonferrous metals

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| L-3300-05  | 5 gallon pail   | 1        |
| L-3300-55  | 55 gallon drum  | 1        |
| L-3300-275 | 275 gallon tote | 1        |

## ASHBURN 2700RI - RUST INHIBITOR WATER-SOLUBLE OIL

- Multi-purpose, water-soluble oil, rust and corrosion preventative
- Prevents rust on machine tools and the workpiece
- Excellent for use on ferrous and nonferrous metals

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| L-2711-05  | 5 gallon pail   | 1        |
| L-2711-55  | 55 gallon drum  | 1        |
| L-2711-275 | 275 gallon tote | 1        |

## ZAP RUST REMOVER

- Removes rust and corrosion safe formula - no harmful acids
- No caustics • No harsh fumes • Non-flammable
- pH neutral • Water-soluble • Biodegradable

| PART NO. | SIZE            | CASE QTY |
|----------|-----------------|----------|
| M-27051  | 1 gallon        | 4        |
| M-27055  | 5 gallon pail   | 1        |
| M-27057  | 55 gallon drum  | 1        |
| M-27053  | 275 gallon tote | 1        |



## ASHBURN 2900RI - RUST INHIBITOR SYNTHETIC WATER-SOLUBLE

- Multi-purpose, synthetic, water-soluble rust and corrosion preventative
- Designed for in-process protection of ferrous materials
- Provides up to nine months of indoor rust protection
- Leaves a soft, non-tacky residue
- Can also be used as a parts cleaner

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| B-2905-05  | 5 gallon pail   | 1        |
| B-2905-55  | 55 gallon drum  | 1        |
| B-2905-275 | 275 gallon tote | 1        |

## ASHBURN 3200RI - RUST INHIBITOR SYNTHETIC WATER-SOLUBLE

- Heavy-duty, multi-purpose, synthetic, water-soluble rust and corrosion preventative
- Provides up to nine months of indoor rust protection
- Designed for in-process protection of ferrous and nonferrous materials
- Can be used in circulating coolant systems
- Excellent fluid for use in CNC plasma cutter water tables
- Prevents bacterial growth to provide long-term tank life

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| B-3200-14 | 1 gallon       | 4        |
| B-3200-05 | 5 gallon pail  | 1        |
| B-3200-55 | 55 gallon drum | 1        |

## ANTI-SPATTER

- Cleans and degreases prior to welding
- Water-based formula
- Safe, non-flammable, biodegradable
- Contains no silicone • Easily rinses clean
- Protects workpieces, fixtures and equipment



| PART NO. | SIZE  | CASE QTY |
|----------|---|----------|
| M-B25770 | 20 oz. aerosol<br>Contains 16 fl. oz. (473 mL)<br>Net. wt. 16.8 oz. (477 g) | 12       |
| M-25779  | 1 quart   | 12       |
| M-25771  | 1 gallon  | 4        |
| M-25775  | 5 gallon pail   | 1        |
| M-25777  | 55 gallon drum  | 1        |
| M-25773  | 275 gallon tote   | 1        |

## HYDRAULIC OILS

- Contain superior anti-wear additives
- Thermally stable, resist sludge formation
- Service in vane, piston and gear pumps
- Provide maximum service life in pumps and other circuit components

### AW 32

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| F-8322-14 | 1 gallon       | 4        |
| F-8323-05 | 5 gallon pail  | 1        |
| F-8324-55 | 55 gallon drum | 1        |

### AW 46

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| F-8462-14 | 1 gallon       | 4        |
| F-8463-05 | 5 gallon pail  | 1        |
| F-8464-55 | 55 gallon drum | 1        |

### AW 68

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| F-8682-14 | 1 gallon       | 4        |
| F-8683-05 | 5 gallon pail  | 1        |
| F-8684-55 | 55 gallon drum | 1        |



## AIR TOOL OIL

- High-grade lubricant which prolongs the service life of pneumatic tools, cylinders and accessories
- Lubricates and protects
- Prevents rust and corrosion

| PART NO.  | SIZE          | CASE QTY |
|-----------|---------------|----------|
| F-8716-16 | 16 oz. bottle | 12       |
| F-8732-32 | 1 quart       | 12       |
| F-8701-14 | 1 gallon      | 4        |
| F-8705-05 | 5 gallon pail | 1        |

## QUENCHING OIL QS-12

- Superior oxidation inhibitors • Excellent thermal control
- Provides rust control • Controls hardness
- Minimal drag-off of quenching oil

| PART NO.   | SIZE            | CASE QTY |
|------------|-----------------|----------|
| F-8912-01  | 1 gallon        | 4        |
| F-8912-55  | 55 gallon drum  | 1        |
| F-8912-275 | 275 gallon tote | 1        |

## WAY OILS

- Contain special non-corrosive additives which protect and lubricate
- Way Oil 68 for medium weight slideway lubricant requirement
- Way Oil 220 for heavy weight slideway lubricant requirement
- Eliminate stick-slip, slideway chatter and scoring

### WAY OIL 68

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| F-8004-14 | 1 gallon       | 4        |
| F-8005-05 | 5 gallon pail  | 1        |
| F-8006-55 | 55 gallon drum | 1        |

### WAY OIL 220

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| F-8007-14 | 1 gallon       | 4        |
| F-8008-05 | 5 gallon pail  | 1        |
| F-8009-55 | 55 gallon drum | 1        |



## SPINDLE OIL

- ISO VG22
- Superior lubrication of the bearings found in machine tool spindles

| PART NO.  | SIZE           | CASE QTY |
|-----------|----------------|----------|
| F-8503-14 | 1 gallon       | 4        |
| F-8504-05 | 5 gallon pail  | 1        |
| F-8505-55 | 55 gallon drum | 1        |

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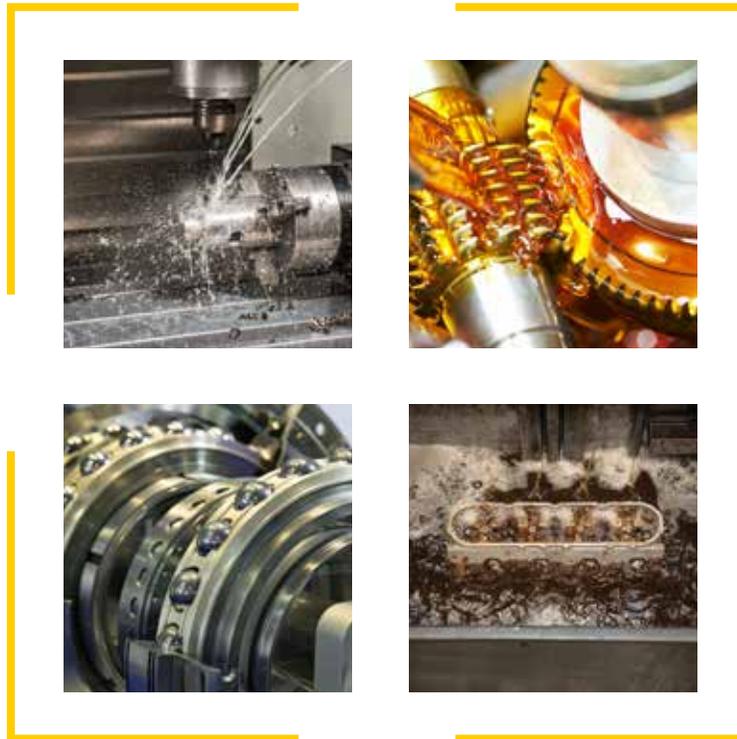
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