d-LIMONENE
DEGREASERS/CLEANERS
THE POWER OF d-LIMONENE
d-Limonene is a more effective degreaser than petroleum distillates yet does not contain the hazards associated with butyl or harsh alkalies. It is biodegradable, non-toxic and considerably less harmful to humans than traditional solvents and degreasers. And the fresh, clean, natural scent of oranges is not only pleasant, it eliminates the need to add expensive perfumes.

- Versatile cleaner/degreaser
- Safe, effective and biodegradable
- Ideal substitute for hazardous solvents

THE ATHEA® ADVANTAGE
In 1987, ATHEA® pioneered the first d-Limonene product in the cleaning and maintenance industry, our #440 Citra Clean. We’ve continued developing innovative citrus products - liquids, aerosols, powders and gels - to meet the demands of an ever-changing marketplace and to remain the industry leader.

Today, as the leading manufacturers of d-Limonene products, our citrus program is as broad and extensive as the industries that utilize them.

PRIVATE LABEL
With the ever-growing trend toward private label brands in both the consumer and commercial markets, ATHEA® is well-positioned to deliver on our customer’s needs. Today, over 90% of products ATHEA® ships are private labeled. A complete turn-key approach of chemical formulation and production, wipe converting and manufacturing, low minimums, the highest-quality artwork, nearly unlimited packaging options, fast turnaround, and strict confidentiality make ATHEA® the market leader in this category. Products not private labeled ship under the Total Solutions® brand. For those customers entering a new product category unsure of potential volume, or not wishing to register certain products when required by the EPA or FDA, the Total Solutions® brand is an ideal solution.

SPECIALTY PRODUCTS

#119 RP-7
AUTOMOTIVE CLEANER, POLISH AND SEALANT
- Bonds to the finish of a vehicle
- Powerful performance of d-Limonene removes tar, gasoline spills and insects quickly
- Protects clear coat finishes from the damaging effects of sun, wind and rain
- Contains 2% d-Limonene

#377 CITRA-FRESH
65% d-LIMONENE, ODOR ELIMINATOR
- Keeps unpleasant odors away for hours
- Pleasant citrus fragrance

HAND CARE

#440 CITRA CLEAN
WATERLESS CLEANER WITH GRIT
- Gentle scrubbing action of pumice cleans the heaviest grease and grime
- Special emollients and lanolin leave hands feeling soft
- Pleasant orange fragrance leaves hands smelling fresh and clean
- NSF Certified: E4

#443 NATURALLY CLEAN
WATERLESS CLEANER WITHOUT GRIT
- Cleans heavy grease and grime
- Special emollients and lanolin leave hands feeling soft
- Pleasant orange fragrance leaves hands smelling fresh and clean
<table>
<thead>
<tr>
<th>Cleaner Type</th>
<th>Formula</th>
<th>Description</th>
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| **#378 ORANGE AWAY** | 95% d-LIMONENE, EMULSIFIABLE SOLVENT | - All natural, biodegradable formula uses no petroleum distillates  
- Effectively strips away the heaviest grease, grime, wax, oils, adhesives, tar and asphalt, gums and more  
- Leaves behind a fresh orange scent as it cleans  
- NSF Certified: C1 |
| **#379 ORANGE DRAIN CLEANER** | 50% d-LIMONENE, CLEANS DRAINS AND GREASE TRAPS | - Excellent alternative to hazardous acid or caustic drain cleaners  
- Will not disrupt bacterial action  
- Regular applications keep drains clog free  
- NSF Certified: C1 |
| **#381 FLOATING LIFT STATION DEGREASER** | 100% d-LIMONENE WITH RED INDICATOR | - Floats on the surface to eliminate strong odors  
- Dissolves heavy grease and fat accumulations on lift station walls  
- Will not harm bacterial action in sewage treatment plants |
| **#387 dB SOLVENT HF-165** | 15% d-LIMONENE, PARTS WASHER SOLVENT | - Industrial-strength parts washer  
- Quickly penetrates grease, oil and tar deposits  
- Ideal for use in a recirculating parts washers up to 165°F |
| **#388 ORANGE AWAY GEL** | 70% d-LIMONENE, THICKENED TAR REMOVER | - Effectively removes tough soils including tar, pitch asphalt and roofing compounds  
- Clinging formula easily sticks to vertical surfaces  
- NSF Certified: C1 |
| **#393 dB SOLVENT WR** | 21.5% d-LIMONENE, WATER RINSABLE DEGREASER | - Removes grease, oil and tar from motors, chassis, tools and parts  
- Water rinsable, works quickly without causing corrosion |
| **#416 ORANGE SQUIRT** | 1.5% d-LIMONENE, RTU SPRAY AND WIPE CLEANER | - Ideal all-purpose cleaner  
- Safe for hard surfaces as well as fabrics, carpets and upholstery  
- Orange scent freshens the air as you clean  
- NSF Certified: C1 |
| **#425 ORANGE SQUIRT CONCENTRATE** | 6% d-LIMONENE, RTU OR CONCENTRATED CLEANER | - All-purpose concentrated cleaner  
- Safe for hard surfaces as well as fabrics, carpets and upholstery  
- 4:1 concentrate  
- NSF Certified: C1 |
| **#435 ULTRA ORANGE SQUIRT CONCENTRATE** | 10% d-LIMONENE, SUPER CONCENTRATE CLEANER | - All-purpose highly concentrated cleaner  
- Safe for hard surfaces as well as fabrics, carpets and upholstery  
- 2 - 6:1 concentrate  
- NSF Certified: C1 |
| **#453 SOLVONENE 3** | Powerful VOC-Compliant Solvent Degreaser | - VOC-compliant formula with 3% d-Limonene  
- Alternative to non-VOC compliant citrus-based products  
- Removes heavy greases and oils, without damaging surfaces  
- Emulsifiable formula |
| **#665 CITRA CRYSTALS™** | 5% d-LIMONENE, POWDERED DEGREASER | - Heavy duty surface and equipment cleaner  
- Changes color in water from bright orange to fluorescent yellow-green |
| **#8304 AERO-SQUIRT** | 3% d-LIMONENE, FOAMING Aerosol | - Clings to vertical surfaces  
- Ideal all-purpose foaming cleaner |
| **#8378 ORANGE AWAY** | 95% d-LIMONENE, EMULSIFIABLE SOLVENT AEROSOL | - All natural, biodegradable formula uses no petroleum distillates  
- Effectively strips away the heaviest grease, grime, wax, oils, adhesives, tar and asphalt, gums and more  
- Same potent formula as ORANGE AWAY liquid |
| **#8388 AERO-GEL** | 70% d-LIMONENE, THICKENED DEGREASER Aerosol | - Contains 70% d-Limonene to remove tough grease and oil  
- Sprays like a liquid, sets up like a gel  
- Clings to vertical surfaces  
- NSF Certified: C1 |
| **#8453 SOLVONENE 3 AEROSOL** | Powerful VOC-Compliant Solvent Degreaser | - VOC-compliant formula with 3% d-Limonene  
- Alternative to non-VOC compliant citrus-based products  
- Performs like a 93% d-Limonene formula  
- Removes heavy greases and oils, without damaging surfaces  
- Emulsifiable formula |
### d-LIMONENE USAGE CHART

**HAND CLEANERS**
- #443 NATURALLY CLEAN
  - Removes Paint, Ink and Grease From Hands

**SPECIALTY PRODUCTS**
- #119 RP-7
- #377 CITRA-FRESH
- #378 ORANGE DRAIN CLEANER
- #379 ORANGE DRAIN CLEANER
- #381 FLOATING LIFT STATION DEGREASER
- #387 dB SOLVENT HF-165
- #388 ORANGE AWAY GEL
- #393 dB SOLVENT WR
- #416 ORANGE SQUIRT
- #425 ORANGE SQUIRT CONCENTRATE
- #435 ULTRA ORANGE SQUIRT CONCENTRATE
- #443 NATURALLY CLEAN
- #453 SOLVONENE 3

**CLEANERS and DEGREASERS**
- #377 CITRA-FRESH
- #378 ORANGE DRAIN CLEANER
- #379 ORANGE DRAIN CLEANER
- #381 FLOATING LIFT STATION DEGREASER
- #387 dB SOLVENT HF-165
- #388 ORANGE AWAY GEL
- #393 dB SOLVENT WR
- #416 ORANGE SQUIRT
- #425 ORANGE SQUIRT CONCENTRATE
- #435 ULTRA ORANGE SQUIRT CONCENTRATE
- #443 NATURALLY CLEAN
- #453 SOLVONENE 3

### INDUSTRIAL
- Construction Equipment Cleaner
- Asphalt Spreader Cleaner
- Soak Tank Degreaser
- Parts Washer
- Equipment and Tool Degreaser
- Lift Station Degreaser
- Sewage Plant Deodorizer

### KITCHEN
- General Kitchen Cleaner
- Oven, Grill and Hood Cleaner
- Deep Fryer Cleaner
- Drain Cleaner
- Grease Trap Cleaner

### SURFACES
- Concrete Floor Cleaner
- Wall Cleaner
- Damp Mop Floor Cleaner
- Carpet Gum Remover
- Hard Surface Cleaner

### AUTOMOTIVE
- Rubber Tire Mark Remover
- Engine Degreaser
- Vehicle Surface Degreaser
- Auto Finish Protectant
- White Wall Tire Cleaner
- Cosmoline and Undercoating

### MISCELLANEOUS
- Carbon, Smoke and Exhaust
- Ink and Ball Point Pen
- Mastic, Adhesive Remover
- General Spot Cleaner
- Room Deodorizer
- Laundry Prespotter
- Tar and Asphalt Remover

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**d-LIMONENE STRENGTH SCALE**

- **STRONGST**
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### Hand
- Removes Paint, Ink and Grease From Hands

### Industrial
- Construction Equipment Cleaner
- Asphalt Spreader Cleaner
- Soak Tank Degreaser
- Parts Washer
- Equipment and Tool Degreaser
- Lift Station Degreaser
- Sewage Plant Deodorizer

### Kitchen
- General Kitchen Cleaner
- Oven, Grill and Hood Cleaner
- Deep Fryer Cleaner
- Drain Cleaner
- Grease Trap Cleaner

### Surfaces
- Concrete Floor Cleaner
- Wall Cleaner
- Damp Mop Floor Cleaner
- Carpet Gum Remover
- Hard Surface Cleaner

### Automotive
- Rubber Tire Mark Remover
- Engine Degreaser
- Vehicle Surface Degreaser
- Auto Finish Protectant
- White Wall Tire Cleaner
- Cosmoline and Undercoating

### Miscellaneous
- Carbon, Smoke and Exhaust
- Ink and Ball Point Pen
- Mastic, Adhesive Remover
- General Spot Cleaner
- Room Deodorizer
- Laundry Prespotter
- Tar and Asphalt Remover