Specialty Silicone Technologies
Kippisil® for HI&I
# Kippisil® for HI&I

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Kippisil® for HI&I
Silicone Emulsions for Shine Applications

• Technologies are developed using market leading emulsion process that is different from other silicones on the market
• Able to achieve particle sizes that are unique to the market
  • <200 nm particle size
  • Emulsion can exhibit a blue hue to them
  • Major silicone suppliers cannot make this claim.
• Emulsions are stable
• The strength of the emulsions enhances the overall stability of our customer’s formulations
• Offer flexibility to formulators with broader compatibility with surfactants, anti-stats, and salts
• Designed to be used in water based systems
• Can be formulated into systems at varying use levels
Kippisil® for HI&I
Silicone Emulsions for Shine Applications

- **TDS-63** (Tire Dressing/Shine)
  - 60% active emulsion of a 350 fluid
- **TDS-63-Wet**
  - 60% active emulsion of a 350 fluid
  - Designed to provide a “wet” look to the tire
- **TDS-61**
  - 60% active emulsion of a 1000 fluid
- **TDB-63** (Tire Dressing/Shine Blend)
  - 63% active emulsion blend
  - Optimized for best shine and depth of shine
- **TDB-59**
  - 59% active emulsion blend
  - Optimized for shine and durability
- **TDB-62**
  - 62% active emulsion blend
  - Optimized for best durability

**Notes:**
- Products are typically used at 30% level in formulation, but it will really depend on target application and price point
- Products can be thickened and modified for cling, shine, and durability

**Shine Ranking:**
1) TDB-63
2) TDS-63W
3) TDB-59/TDB-62
4) TDS-63

**Durability Ranking:**
1) TDB-62
2) TDB-59
3) TDS-61
4) TDB-63
Kippisil® for HI&I
Thickened Tunnel Wash Tire Dressings

- **TTD-31**
  - 31% active silicone technology
  - Designed to be applied via a sponge applicator in a car wash tunnel
  - Product is designed to be used as is
  - Provides a nice shine that is durable to the surface
  - Good spread profile going onto tires

- **TTD-26**
  - 26% active silicone technology
  - Designed to be applied via a sponge applicator in a car wash tunnel
  - Product is designed to be used as is
  - Provides a matte finish to the tire (more of a darkening effect)
  - Good spread profile going onto tires

- **TTD-27**
  - 27% active silicone technology
  - Designed to be applied via a sponge applicator in a car wash tunnel, but can be applied via a wipe as well
  - Can be used up to a 4:1 dilution (Functional results at 7-10% solids)
  - Provides an acceptable gloss on tires
Kippisil® for HI&I
Ultra Low-Cost Tire Dressing

- **TD-ECO**
  - 16% active water based silicone dispersion
  - Can formulate water based tire dressings at 8% solids (active) vs. conventional systems at 25-30% solids
  - Designed to be diluted 50:50 in water
  - Can be used in trigger sprayers or wipe applications
  - Surface must be wiped with cloth or sponge after application to ensure proper coverage
  - Treatment is resistant to water rinse off
  - Can be thickened
  - Contains VOC exempt and LVP-VOC Components
  - *Will not give you the Armor-All high gloss type of performance
Kippisil® for HI&I
Automotive Drying Agents

- **DAQ-70 (Drying Agent Boosting Quat)**
  - 70% active silicone quat
  - Designed to be used as an additive in car wash drying agents (ex: Carspray 300/Mineral Seal Oil/Nonionic surfactant/Glycol Ether/ Q70)
  - Substantive to the surface providing sheeting, beading, and shine enhancements to finished products
  - Typically used at 10% in formulations
  - Chemical equivalent to Tego Polish Q70 from Evonik

- **DAQ-20 (Drying Agent Booster Quat)**
  - 20% active silicone quat of the Q70
  - Provides the same functionality, but will need to use higher concentrations in formulations for functionality
Kippisil® for HI&I
Automotive Care

• **DAQ-LC**
  • 68% Active microemulsion of a long chain silicone
  • Designed be use in Sonax Spray & Seal auto detail product
  • Can be used in automotive drying agents
  • Nature of chemistry produces very hydrophobic surfaces
  • Can be diluted in water or polar solvents
  • Provides beading and gloss

• **AFE-35 and AFE-50**
  • 35% and 50% active cationic amino-functional silicone emulsions
  • Applications include rubber and vinyl dressings and spray detailers
  • Provides detergent and weather resistance, enhanced water beading, gloss enhancement, and boosts overall durability of finished products
  • Offset to Xiameter 2-8035
Kippisil® for HI&I
Solid Surface Shine and Protectant

- **SP-60**
  - 60% active silicone emulsion technology that provides high shine and high slip properties
  - Provides shine in
    - Furniture polishes
    - Granite polishes
    - Plastic pool covers and car bumpers
    - Anti-mar coating for wood and paper

- **SP/FC-40**
  - 40% active emulsion of a high molecular weight slip-aid polymer
  - Best for people looking for enhanced slip properties
Kippisil® for HI&I
Fabric Care

- **FC-28**
  - 28% active micro-emulsion of a amino silicone polymer
  - Additive can be used in fabric softeners as it is compatible with cationic systems
  - Enhances softness and improves ease of ironing

- **SP/FC-40**
  - 40% active emulsion of a high molecular weight silicone fluid
  - Used in spray starches and spray-on ironing aids
  - Equivalent to Dow Corning HV-495 Emulsion
Kippisil® for HI&I
Stone Care

- **SC-100**
  - 100% active silicone sealer for stone and grout applications
  - Clear material
  - Chemically bonds to the surface
  - Provides stain protection and water repellency
  - Enhances/Darkens the color of the stone
    - Effective on marble, granite, slate, limestone, travertine and sandstone
    - Comparable to Aqua Mix Enrich N Seal

- **SC-Seal**
  - Diluted form of SC-100 in solvent, but does not darken the surface
  - Solvent based carrier
Kippisil® for HI&I
Food-Grade Defoamers

- **AF-10FG and AF-12FG**
  - 10% and 12% Active de-foaming technologies
  - Designed to be used in food processing and manufacturing applications
  - FG-Food Grade
  - Can be used in vegetable wash, egg, potato, and seafood processing, pickle manufacturing, and beverage filling applications
Kippisil® for HI&I
Specialty Applications

- **AF-SPA (Anti-Foam for pools and spas)**
  - 5% Active RTU defoamer designed for foam control in pool and spa applications
  - Effectively breaks foam generated as water ages
  - Formulated to resist microbial contamination
  - Can offer a concentrated version of this, but will not contain a preservative package

- **SSP (Stainless Steel Cleaner and Polish)**
  - Non-silicone technology
  - Leaves a surface that is shiny and resistant to finger smudges
  - Removes light duty greases, oils, and dirt
  - Spray on and wipe off (may require a buffing step depending on the substrate)
  - Originally designed for a wipe with optimized preservative package

- **KR-40FG (Kitchen Release and Food Grade material)**
  - Provides food grade sacrificial film designed to make soils easier to remove in industrial kitchen applications
  - 40% Active material
  - Designed to be used 1:1 with water
  - Competes with Ecolab (Kay Chemical)-Bun/Toaster Release
Kippisil® for HI&I
Miscellaneous Applications

- **Foam Control Aids**
  - We can offer various types of industrial and food grade defoaming technologies
  - Technologies vary from 100% silicone(oil) to water based systems

- **Bottle Filling Defoamers**
  - We can offer technologies that are designed to be used in high speed filling applications to control initial foam, but offer no long term benefits

- **Conveyor Lubricants**
  - We can offer food-safe lubrication technologies for conveyor systems
  - NSF H1 compatible
THANK YOU