Surfactant List

Cationic Surfactants/Quat Ammonium Compounds:
- Dodecyl-, Coco-, Hexadecyl-, Octadecyl-, Octadecyl/Behenyl-, Behenyl-, Cocoamidopropyl-, Trimethyl Ammonium Chloride
- Coco-, Stearyl-, bis(2-hydroxyethyl) Methyl Ammonium Chloride
- Benzalkonium Chloride
- Alkyl-, Tetradecyl-, Octadecyl- Dimethyl Benzyl Ammonium Chloride
- Dioctyl-, Di(Octyl-Decyl)-, Didecyl-, Dihexadecyl-, Distearyl-, Di(Hydrogenated Tallow)- Dimethyl Ammonium Chloride
- Di(Hydrogenated Tallow) Benzyl-, Trioctyl-, Tri(Octyl-Decyl)-, Tridecyl-, Trihexadecyl-Methyl Ammonium Chloride
- Dodecyl Trimethyl-, Dodecyl Dimethyl Benzyl-, Di-(Octyl-Decyl) Dimethyl, Didecyl Dimethyl-Ammonium Bromide

Anionic Surfactants:
- DDBSA (liquid and dry), Linear and Branched (Equivalents to Calsoft LAS-99, Biosoft S-101, Witconic 1298, etc)
- ALS, ALES, SLS, SLES, AOS (Equivalents to Calfoam line, Stepanol line, Witcolate line etc)
- Calcium Alkyl Benzene Sulfonate (CABS)
- Phosphate Esters (Equivalents to Lubraphos LB400, Rhodafac H-66E, Triton H-66, Rhodafac RA600, Celtaphos 600P, etc)

Amphoteric Surfactants
- Coco Betaine, Cocoamidopropyl Betaine
- Lauryl Dimethylamine Oxide (Equivalents to Ammynox LO, Caloxamine LO, Mackamine LO, etc)
- Coco Alkyl Dimethyl Amine Oxides
Surfactant List (cont)

Non-ionic Surfactants:

- **Alkyl Phenol Ethoxylates** (*NPE’s and OPE’s*)
- **Castor Oil Ethoxylates and Hydrogenated Castor Oil Ethoxylates** (*CO-5, CO-16, CO-25, CO-36, CO-40, HCO-16, HCO-25, HCO-36, HCO-40*)
- **Tallow Amine Ethoxylates** (*TAM-2, TAM-8, TAM-15, etc*)
- **Alcohol Ethoxylate Blends - NPE replacements** – (*Equal to Tomadol 900, 901, 600, 400, 1200, etc.*)
- **Secondary Alcohol Ethoxylates** (*Equivalents to Tergitol 15-S Series*)
- **PEG’s (Polyethylene Glycols)** (*Equivalents to Carbowax, POGOL, ranging from 200 mw to 4000 mw*)
- **Polysorbates (20, 40, 60, 80)** (*Tweens (Ethoxylated), Spans (Not Ethoxylated]*)
- **Oleyl Amine Ethoxylates**
- **Coco Amine Ethoxylates**
- **Stearyl Amine Ethoxylates**
- **EO/PO Block Polymers** (*Equivalents to Pluronic L61, L62, L62LF, L64*)
- **Coco-, Oleic-, Stearic-, Tall Oil Fatty- Acid Ethoxylates**
- **Cocamide MEA, DEA, MIPA**

*The list above covers broad categories of Surfactant Chemistries. Silver Fern has the capability of sourcing other unique chemistries not listed on this brochure. If you are looking for a specific product not listed above, please contact your Silver Fern Sales Representative for recommendations.*