



All Purpose Cleaner

Spray, Bucket-Dilutable, Wipes

Feature	Product Recommendations	Benefits
Rapid Wetting <ul style="list-style-type: none"> Quick penetration across surface and through soils Effective with minimum contact time 	TERGITOL™ 15-S-7 TERGITOL 15-S-9 TERGITOL TMN-6 (90%) TERGITOL MinFoam 1X TRITON™ BG-10	<ul style="list-style-type: none"> Reduces surface tension to low values, effectively improving wetting including oily or greasy surfaces Rapid diffusion to surface as measured by dynamic surface tension Good wetting even for difficult surfaces such as plastic and glass
Oily soil detergency <ul style="list-style-type: none"> Good emulsification for oily soil Wetting to penetrate soil 	TERGITOL 15-S-5 TERGITOL 15-S-7 TERGITOL 15-S-9	<ul style="list-style-type: none"> Match surfactant HLB with soil High mole / low-mole ethoxylate combinations can be very effective Soil / surfactant emulsions can be very stable or unstable
Low Visible Residue <ul style="list-style-type: none"> Rinse readily and leave low visible residue on glass & shiny surfaces Ideal for no-rinse formulations 	DOWFAX™ 2A1 DOWFAX C10L TRITON BG-10	<ul style="list-style-type: none"> DOWFAX dries clearly on surfaces, DOWFAX improves the appearance even when mixed with nonionic surfactant Residual tackiness is reduced or eliminated with DOWFAX
Moderate Foam <ul style="list-style-type: none"> Initial foam provides marker for cleaning formulation application Collapses quickly for easy rinsing, minimal residue 	TERGITOL 15-S-7 TERGITOL 15-S-9 TERGITOL TMN-6 (90%) TERGITOL MinFoam 1X TRITON BG-10 DOWFAX 2A1 DOWFAX C10L	
Compatible with Builders <ul style="list-style-type: none"> Builders (NaOH, KOH, Carbonates, Phosphates, Silicates) add alkalinity, prevent redeposition, inactivate water hardness. Builders depress the solubility (cloud point) for many surfactants 	TERGITOL 15-S-7 TERGITOL 15-S-9 TERGITOL TMN-6 (90%) TERGITOL MinFoam 1X TRITON BG-10 TRITON H-66 DOWFAX 2A1 DOWFAX C10L	<ul style="list-style-type: none"> Triton H-66 aids in solubilizing nonionic surfactants in built solutions by raising the cloud point DOWFAX is soluble in highly built solutions
Compatible with Bleach	DOWFAX™ 2A1 DOWFAX C10L	<ul style="list-style-type: none"> Stable with bleach in liquid formulations Less than 15% hypochlorite degradation in Dowfax solutions relative to surfactant free solutions

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Dow Surfactants

- Does not cause hypochlorite bleach to degrade

Compatible with Disinfectants / Sanitizers

- Many sanitizers are based on cationic structures

TERGITOL™ 15-S-7
TERGITOL 15-S-9
TERGITOL TMN-6 (90%)
TERGITOL MinFoam 1X
TRITON™ BG-10
TRITON CG-110

- No ion pairing or complexation which will reduce effectiveness of both sanitizer and surfactant

Sample Formulation: Hard Surface Cleaner - Microemulsion

Ingredients	WT%
D-Limonene	13
Butyl CELLOSOLVE Solvent	5
TERGITOL 15-S-9	5
Coco Amide	8
Water	69

Preparation: Add in order listed and mix each addition until uniform. A clear solution should result

Properties: Viscosity, at 25°C -19.4 cSt, pH-9 (1% aq), Cloud Point -29°C

Use instructions: Use as is or dilute with water.

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