



U S Chemical

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Laundry Formulas



Table of Contents

Blankets - Spreads	3
Blood/Surgical - Heavy	3
Cold Water	4
Compel	4
Comply	5
Diapers and Pads - Heavy	5
General - Very Heavy	6
Greasy Kitchen Aprons, Uniforms, Rags - Heavy	6
Heavy Soils	7
Hospitals - Pediatrics	7
Light	8
Light Soil/Colored	8
Linen - Colored	9
Medium Soil	9
Mops	10
New Linen	10
Personal Items - Light/Medium	11
Sheets	11
Table Linens - Medium/Heavy	12
Terry Towels - Light/Medium	12
Towels - Bath Mats	13
VISA Uniforms	13
VISA Napery	14

Blankets - Spreads

Operation	Time	Level	Temperature	Supplies
Flush	1:00 Minute	High	Warm	---
Drain	1:00 Minute	---	---	---
Wash	6:00 Minutes	Low	Warm	Suds
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Warm	Sour/Softener (Optional)
Drain	1:00 Minute	---	---	---
Extract	4:00 Minutes	---	---	---
Slow Down Drain	1:00 Minute	---	---	---
Stop	0	---	---	Buzzer

Formula Time: 22:00 minutes plus fill time.

Blood/Surgical - Heavy

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Cold	---
Drain	1:00 Minute	---	---	---
Flush	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Prewash	5:00 Minutes	Low	Hot (140-160°F)	Suds
Drain	1:00 Minute	---	---	---
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach	8:00 Minutes	Low	Hot (140-160°F)	Bleach/Oxygen Bleach
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Split (80-120°F)	Sour
Drain	1:00 Minute	---	---	---
Extract	6:00 Minute	---	---	---
Tumble*	1:00 Minute	---	---	---
Stop	0	---	---	Buzzer

Formula Time: 48:00 Minutes plus fill time

NOTES: Additional flushes may be required for extremely soiled linens. May add L.L. Suds during flush cycle to facilitate removal of dried blood stains.

*Some machines are pre-programmed with a tumble and it may not be necessary to program one.

Cold Water

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Cold	---
Drain	1:00 Minute	---	---	---
Wash	6:00 Minutes	Low	Cold	Break/Suds
Drain	1:00 Minute	---	---	---
Bleach	6:00 Minutes	Low	Cold	Chlorine at pH of 9
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Cold	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Cold	---
Drain	1:00 Minute	---	---	---
Final Rinse	4:00 Minutes	Low	Cold	Sour
Drain	1:00 Minute	---	---	---
Extract	5:00 Minutes	---	---	---

Compel - (Recommended by Manufacturer)

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	100°F	---
Drain	1:00 Minute	---	---	---
Flush	2:00 Minutes	High	100°F	---
Drain	1:00 Minute	---	---	---
Break/Suds/Detergent	8:00 Minutes	Low	160°F	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	140°F	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	120°F	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	100°F	---
Drain	1:00 Minute	---	---	---
Rinse	5:00 Minutes	Low	90°F	Sour to pH of 6
Drain	1:00 Minute	---	---	---
Extract	5:00 Minutes	---	---	---

Comply - (Recommended by Manufacturer)

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	90°F	---
Drain	1:00 Minute	---	---	---
Flush	2:00 Minutes	High	110°F	---
Drain	1:00 Minute	---	---	---
Flush	2:00 Minutes	High	130°F	---
Drain	1:00 Minute	---	---	---
Break/Suds Detergent	8:00 Minutes	Low	150°F	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach	8:00 Minutes	Low	160°F	Oxygen Destainer
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	140°F	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	120°F	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	110°F	---
Drain	1:00 Minute	---	---	---
Sour	5:00 Minutes	Low	100°F	Sour to a pH of 5.5
Drain	1:00 Minute	---	---	---
Extract	4:00 Minutes	---	---	---

Diapers and Pads - Heavy

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Flush	2:00 Minutes	High	Hot (140-160°F)	---
Drain	1:00 Minute	---	---	---
Wash	10:00 Minutes	Low	Hot (140-160°F)	Built Detergent/Solvenated Surfactant
Drain	1:00 Minute	---	---	---
Bleach	8:00 Minutes	Low	Hot (140-160°F)	Destainer
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Split (<110°F)	Sour
Drain	1:00 Minute	---	---	---
Extract	6:00 Minutes	---	---	---
Tumble*	1:00 Minute	---	---	---
Stop	0	---	---	Sour to a pH of 5.5

Formula Time: 44:00 Minutes plus fill time

NOTES: Diapers and pads must be flushed to remove gross soils prior to laundering. Do not ever use Softener, which may reduce absorbency. It may be necessary to add one more rinse cycle depending on material and soil load. Some manufacturers recommend Oxygen Bleach only.

*Some machines are pre-programmed with a tumble and it may not be necessary to program one in.

General - Very Heavy

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	----
Drain	1:00 Minute	----	----	----
Flush	2:00 Minutes	High	Split (<110°F)	----
Drain	1:00 Minute	----	----	----
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break & Suds/Built Detergent
Drain	1:00 Minute	----	----	----
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break & Suds/Built Detergent
Drain	1:00 Minute	----	----	----
Bleach	6:00 Minutes	Low	Hot (140-160°F)	Bleach or Oxygen Bleach
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Split (<120°F)	----
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Split (<120°F)	----
Drain	1:00 Minute	----	----	----
Rinse (Final)*	4:00 Minutes	Low	Split (80-120°F)	Sour/Soft (pH 5.5 - 6.5)
Drain	1:00 Minute	----	----	----
Extract	6:00 Minute	----	----	----
Tumble*	1:00 Minute	----	----	----
Stop	0	----	----	Buzzer

Formula Time: 49:00 Minutes plus fill time

NOTES: * If using Five Product System do not use softener.

Greasy Kitchen Aprons, Uniforms, Rags - Heavy

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	----
Drain	1:00 Minute	----	----	----
Flush or Prewash	2 or 5:00 Minutes	High	Hot (140-160°F)	Prewash: Suds/Break/Built Detergent
Drain	1:00 Minute	----	----	----
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break & Suds/Built Detergent
Drain	1:00 Minute	----	----	----
Bleach	8:00 Minutes	Low	Hot (140-160°F)	Bleach
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Split (<120°F)	----
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Split (<120°F)	----
Drain	1:00 Minute	----	----	----
Rinse (Final)*	4:00 Minutes	Low	Split (<120°F)	Sour (pH 5.5 - 6.5)
Drain	1:00 Minute	----	----	----
Extract	5:00 Minutes	----	----	----
Stop	0	----	----	Buzzer

Formula Time: 40:00 - 43:00 Minutes plus fill time

*If using Five Product System do not use softener.

Heavy Soils

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Wash 1	8:00 Minutes	Low	Hot	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Wash 2	8:00 Minutes	Low	Hot	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach Bath	8:00 Minutes	Low	Hot	Bleach/Chlorine/Oxygen
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Warm	Sour/Softener
Drain	1:00 Minute	---	---	---
Extract	5:00 Minutes	---	---	---
Slow Down Drain	1:00 Minute	---	---	---
Stop	0	---	---	Buzzer

Formula Time: 47:00 Minutes plus fill time.

Hospital - Pediatrics

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Wash	8:00 Minutes	Low	Hot (140-160°F)	Suds
Drain	1:00 Minute	---	---	---
Bleach	8:00 Minutes	Low	Hot (140-160°F)	Oxygen Bleach
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	120°F	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Split (80-110°F)	Sour/Softener (Optional)
Drain	1:00 Minute	---	---	---
Extract	5-6:00 Minutes	---	---	---
Tumble*	1:00 Minute	---	---	---
Stop	0	---	---	Buzzer

Formula Time: 38:00 - 39:00 Minutes plus fill time

NOTES: Do not use Break or Chlorine on these items as residual chemicals may cause skin irritation.
 *Some machines are pre-programmed with a tumble and it may not be necessary to program one in.

Light

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	----
Drain	1:00 Minute	----	----	----
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break/Suds/Bleach
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Split (<120°F)	----
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Split (<120°F)	----
Drain	1:00 Minute	----	----	----
Rinse (Final)	4:00 Minutes	Low	Split (<120°F)	Sour/Softener (pH 5.5 -6.5)
Drain	1:00 Minute	----	----	----
Extract	5:00 Minutes	----	----	----
Tumble*	1:00 Minute	----	----	----
Stop	0	----	----	Buzzer
Formula Time: 29:00 Minutes plus fill time				
NOTE: * Some machines are programmed with a tumble and it may not be necessary to program one.				

Light Soil/Colored

Operation	Time	Level	Temperature	Supplies
Wash	6:00 Minutes	Low	Warm	Break/Suds/Built Detergent
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Warm	----
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Warm	----
Drain	1:00 Minute	----	----	----
Rinse (Final)	4:00 Minutes	Low	Warm	Sour/Softener
Drain	1:00 Minute	----	----	----
Extract	5:00 Minutes	----	----	----
Slow Down Drain	1:00 Minute	----	----	----
Tumble*	0:30 Seconds	----	----	----
Stop	0	----	----	Buzzer
Formula Time: 24:30 Minutes plus fill time				
*Some machines are pre-programmed with tumble and it may not be necessary to program one.				

Linen - Colored

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Warm	----
Drain	1:00 Minute	----	----	----
Wash	6:00 Minutes	Low	Hot	Break/Suds/Built Detergent
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Warm	----
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Warm	----
Drain	1:00 Minute	----	----	----
Rinse (Final)	4:00 Minutes	Low	Warm	Sour/Softener (Optional)
Drain	1:00 Minute	----	----	----
Extract	3:00 Minutes	----	----	----
Slow Down Drain	1:00 Minute	----	----	----
Stop	0	----	----	Buzzer
Formula Time: 25:00 Minutes plus fill time.				

Medium Soil

Operation	Time	Level	Temperature	Supplies
Flush	1:00 Minute	High	Warm	----
Drain	1:00 Minute	----	----	----
Wash	8:00 Minutes	Low	Hot	Break/Suds/Built Detergent
Drain	1:00 Minute	----	----	----
Bleach	8:00 Minutes	Low	Hot	Chlorine or Oxygen
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Warm	----
Drain	1:00 Minute	----	----	----
Rinse	2:00 Minutes	High	Warm	----
Drain	1:00 Minute	----	----	----
Rinse (Final)	4:00 Minutes	Low	Warm	Sour/Softener
Drain	1:00 Minute	----	----	----
Extract	5:00 Minutes	----	----	----
Slow Down Drain	1:00 Minute	----	----	----
Tumble*	0:30 Seconds	----	----	----
Stop	0	----	----	Buzzer
Formula Time: 37:30 Minutes plus fill time				
*Some machines are pre-programmed with tumble and it may not be necessary to program one.				

Mops

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach*	8:00 Minutes	Low	Hot (140-160°F)	Bleach
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Extract	6:00 Minutes	---	---	---
Stop	0	---	---	Buzzer
Formula Time: 33:00 Minutes plus fill time				
NOTE: Follow manufacturer's recommended procedure. *Do not bleach synthetic mops.				

New Linen

Operation	Time	Level	Temperature	Supplies
Wash	6:00 Minutes	Low	120°F	Suds only
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	110°F	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	110°F	---
Drain	1:00 Minute	---	---	---
Extract	4:00 Minutes	---	---	---

Personal Items - Light/Medium

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Wash	8:00 Minutes	Low	Hot (140-160°F)	Suds
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Split (<110°F)	Sour & Soft (pH 5.5 - 6.5)
Drain	1:00 Minute	---	---	---
Extract	4:00 Minutes	---	---	---
Tumble*	1:00 Minute	---	---	---
Stop	0	---	---	Buzzer
Formula Time: 25:00 Minutes plus fill time.				

Sheets

Operation	Time	Level	Temperature	Supplies
Flush	1:00 Minute	High	Warm	---
Drain	1:00 Minute	---	---	---
Wash	6:00 Minutes	Low	Hot	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach	6:00 Minutes	Low	Hot	Bleach
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Warm	Sour, Softener, Sour/Soft, Antichlor
Drain	1:00 Minute	---	---	---
Extract	5:00 Minutes	---	---	---
Slow Down Drain	1:00 Minute	---	---	*Depending on fabric type
*Tumble	0:30 Seconds	---	---	---
Stop	0			
Formula Time: 33:30 Minutes plus fill times				
*Some machines are pre-programmed with a tumble and it may not be necessary to program one.				

Table Linens - Medium/Heavy

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break & Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach*	8:00 Minutes	Low	Hot (140-160°F)	Bleach or Oxygen Bleach
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse (Final)**	4:00 Minutes	Low	Split (80-120°F)	Sour
Drain	1:00 Minute	---	---	---
Extract	3:00 Minutes	---	---	---
Tumble***	1:00 Minutes	---	---	---
Stop	0	---	---	Buzzer
Formula Time: 36:00 Minutes plus fill time				
NOTE: Follow manufacturer's recommended procedures.				
* Do not use Chlorine Bleach on colored fabrics.				
** Do not use excessive amounts of softener on sythetic blends as water-proofing may occur.				
*** Some machines are programmed with a tumble and it may not be necessary to program one.				

Terry Towels - Light/Medium

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Split (<110°F)	---
Drain	1:00 Minute	---	---	---
Wash	8:00 Minutes	Low	Hot (140-160°F)	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach	7:00 Minutes	Low	Hot (140-160°F)	Bleach
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split (<120°F)	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Split (<80-120°F)	Sour/Soft (pH 5.5 - 6.5)
Drain	1:00 Minute	---	---	---
Extract*	6:00 Minutes	---	---	---
Tumble**	1:00 Minutes	---	---	---
Stop	0	---	---	Buzzer
Formula Time: 38:00 Minutes plus fill time				
NOTE: * May need to increase extract if linens retain too much moisture.				
** Some machines are programmed with a tumble and it may not be necessary to program one.				

Towels - Bath Mats

Operation	Time	Level	Temperature	Supplies
Flush	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Wash	8:00 Minutes	Low	Hot	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach	8:00 Minutes	Low	Hot	Bleach
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Warm	---
Drain	1:00 Minute	---	---	---
Rinse (Final)	4:00 Minutes	Low	Warm	Sour/Softener
Drain	1:00 Minute	---	---	---
Extract	5:00 Minutes	---	---	---
Slow Down Drain	1:00 Minute	---	---	---
*Tumble	0:30 Seconds	---	---	---
Stop	0	---	---	Buzzer
Formula Time: 38:30 Minutes plus fill times				
*Some machines are pre-programmed with a tumble and it may not be necessary to program one.				

VISA Uniforms

Operation	Time	Level	Temperature	Supplies
Flush	1:00 Minute	High	Split	---
Drain	1:00 Minute	---	---	---
Wash 1	10:00 Minutes	Low	140°-160°F	Built Detergent/Solvenated Surfactant
Drain	1:00 Minute	---	---	---
Wash 2	8:00 Minutes	Low	140°-160°F	Built Detergent/Solvenated Surfactant
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	140°-160°F	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Sour	5:00 Minutes	Low	90°-100°F	Sour
Drain	1:00 Minute	---	---	---
Extract	1:00 Minute	---	---	---

Visa Napery - (Recommended by Manufacturer)

Operation	Time	Level	Temperature	Supplies
Flush	3:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Wash	12:00 Minutes	Low	140°F-160°F	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach	8:00 Minutes	Low	140°F-160°F	Destainer
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Sour/Starch	2/8 Minutes	Low	90°F-110°F	Sour/Starch as desired
Drain	1:00 Minute	---	---	---
Extract	---	---	---	---
MEDIUM SOIL				
Flush	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Wash	10-12:00 Minutes	Low	140°F	Break/Suds/Built Detergent
Drain	1:00 Minute	---	---	---
Bleach	8:00 Minutes	Low	140°F	Destainer
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Rinse	2:00 Minutes	High	Split	---
Drain	1:00 Minute	---	---	---
Sour	5:00 Minutes	Low	Split	Sour/Starch as desired
Drain	1:00 Minute	---	---	---
Extract	1:00 Minute	---	---	---

