



DeLaval Milk Quality Solutions Guide

We help you every
step of the way



What is this guide for?

An all-in-one, interactive directory of the benefits, usage, features and applications of DeLaval acids, sanitizers and detergents.



APPENDIX



VMS Approved

Approved for use in VMS



OMRI Approved

Approved for organic use with OMRI



Barium Safe

Safe to be used in water with barium



Low Temp

Appropriate for lower water temperature during CIP



Powder

Powder



Liquid

Liquid



0-20 Grains

Water hardness between 0-20



20+ Grains

Effective in situations where water hardness is greater than 20



Customizable

For 2 part applications; can customize alkalinity and chlorine levels



Iron Safe

Can be used in conditions with iron in water



Biosecurity

Assists in Biosecurity by protecting people, animals, and ecological systems against disease and other biological threats



Specialty Cleaner

Can be used outside of the normal clean in place process



Alkaline

Alkaline only product



Threshold Detergent Technology

Suspend calcium and magnesium salts for a limited time, limit is roughly 20-25 grains water hardness



Conventional Detergent Technology

Chelating agents, tie up hardness on a one-to-one basis



Standard Performance

May have some unique attributes compared to basic formulas



Premium Performance

Premium product with unique technologies or attributes



Cleaning Challenge

Effective in situations where soil load is high and/or extreme water conditions

APPENDIX



Calf Sanitation

Can be used to clean or sanitize calf bottles, hutches, or maternity pens



Soil Removal

Removes soil



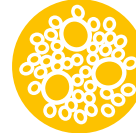
Chlorine

Chlorine only product



Low Foam

Should not generate foam during clean in place washing



High Foam

Designed specifically to foam-more so for external surfaces



Biofilms

Assists in control and removal of fouling, staining and odor causing biofilms on surface



2-in-1

Can be used to combine cleaning steps



Household Cleaner

Can be used for laundry, buckets, ext



Biodegradable

No residue concern, can be broken down into innocuous products



Sustainability

Can reduce inputs such as water, time, and chemicals



Incompatible with Silicone

Not advised to use with silicone



DCS

DeLaval Cleaning Solutions product

External Surface

To clean, sanitize or remove mineral film on external surfaces

Bulk Tanks

To clean in place bulk tanks

Backflush

Can be used in backflush system to sanitize clusters between cow groups

Drop Hose

Can be run through hoses inside parlor to sanitize and disinfect stallbacks, floor surfaces or clusters

Teat Sealant Remover

Removes teat sealant from system

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How it will help identify solutions

At your fingertips, the guide shows the correct application techniques for each product, providing a better understanding of the full range of product offerings and their various uses.

Navigate the guide

Tap or click the “family” icons to jump to that section. Tapping or clicking the menu bar on the top of the subsequent pages also allows this navigation. Access even more materials by clicking on the product title itself.

Product Families

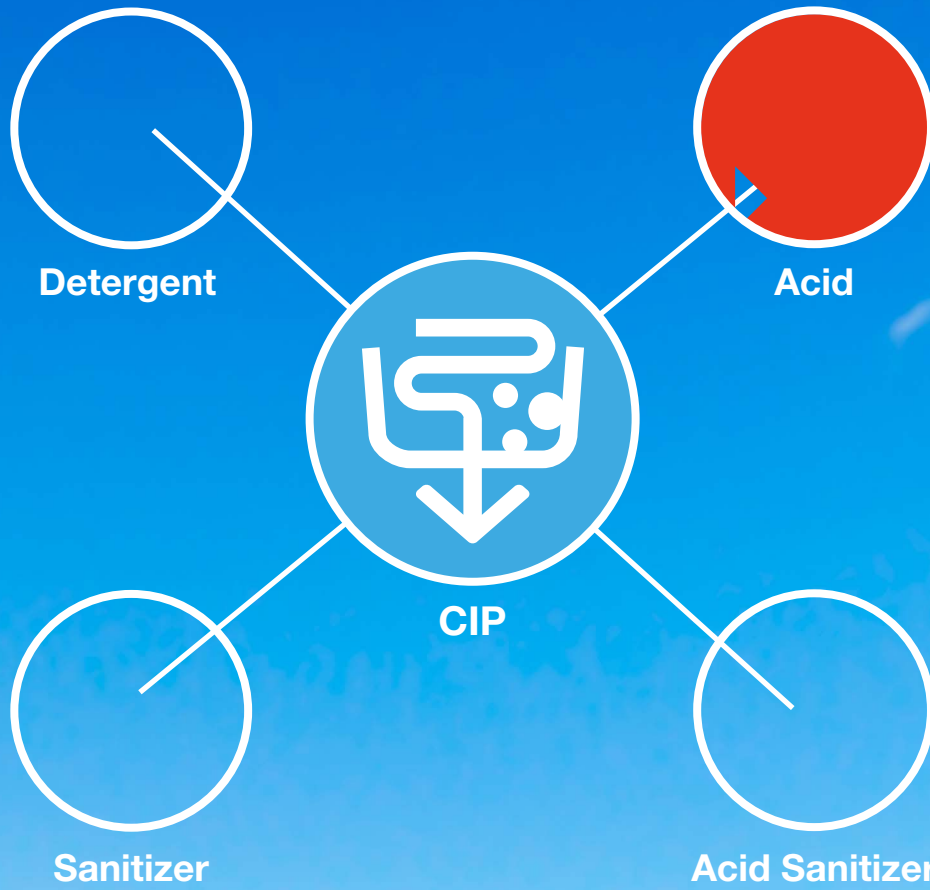
CIP

**Household
Cleaner**

**Specialty
Cleaner**

Biosecurity







Detergent



Acid



CIP



Sanitizer



Acid Sanitizer

DETERGENT

	Classic Dynemate	Classic Dynemate Powder	Dairy Cycle 3	Dairy Prime
 OMRI Approved				
 Barium Safe	✓	✓	✓	✓
 Standard Performance			✓	
 Premium Performance	✓	✓		
 Cleaning Challenge	✓	✓		
 Soil Removal	✓	✓	✓	✓
 Conventional	✓	✓		
 Threshold			✓	✓
 0-20 Grains	✓	✓	✓	✓
 20+ Grains	✓	✓		
 Powder		✓		
 Liquid	✓		✓	✓





Detergent



Acid



CIP



Sanitizer



Acid Sanitizer

DETERGENT

	Della Extra Strength	Della Super	Della Supreme
 VMS Approved		✓	✓
 OMRI Approved			
 Barium Safe	✓	✓	✓
 Standard Performance	✓	✓	✓
 Cleaning Challenge	✓		
 Soil Removal	✓	✓	✓
 Conventional	✓		
 Threshold		✓	✓
 0-20 Grains	✓	✓	✓
 20+ Grains	✓		
 Powder	✓		
 Liquid		✓	✓





Detergent



Acid



CIP



Sanitizer



Acid Sanitizer

DETERGENT

	Hurricane A	Hurricane B	Provide-NT
 Barium Safe	✓	✓	✓
 Low Foam			✓
 Iron Safe	✓		
 Premium Performance	✓	✓	
 Cleaning Challenge	✓	✓	✓
 Soil Removal	✓	✓	✓
 Conventional			✓
 Customizable	✓	✓	
 0-20 Grains	✓	✓	✓
 20+ Grains	✓	✓	✓
 Powder			✓
 Liquid	✓	✓	
 Chlorine		✓	
 Alkaline	✓		





Detergent



Acid



CIP




Sanitizer



Acid Sanitizer

DETERGENT

	Rotex	RTD	Super Clean Powder	X-Tra
 Barium Safe	✓	✓	✓	✓
 Premium Performance		✓		
 Cleaning Challenge		✓	✓	✓
 Specialty Cleaner	✓			
 Soil Removal	✓	✓	✓	✓
 Low Temp		✓		
 Conventional	✓		✓	
 Customizable				✓
 0-20 Grains	✓	✓	✓	✓
 20+ Grains	✓	✓	✓	✓
 Powder	✓		✓	
 Liquid		✓		✓
 Alkaline				✓





Detergent



Acid



CIP



Sanitizer



Acid Sanitizer

ACID			
	Acid Blend N/P 1000	Dairy MSR50	Dairy Placid
 Barium Safe	✓		✓
 Low Foam	✓	✓	✓
 Iron Safe	✓	✓	✓
 Standard Performance	✓		
 0-20 Grains	✓	✓	✓
 20+ Grains	✓	✓	✓
 Liquid	✓	✓	✓
 Incompatible with Silicone	✓		





Detergent



Acid



CIP



Sanitizer



Acid Sanitizer

ACID				
	Della Extra Brite	Prime D	Ridstone	Zone III
 VMS Approved		✓	✓	
 OMRI Approved				✓
 Barium Safe			✓	✓
 Low Foam	✓	✓	✓	✓
 Iron Safe	✓	✓	✓	✓
 2 n 1				✓
 Soil Removal				✓
 Standard Performance				✓
 Premium Performance	✓		✓	
 Cleaning Challenge			✓	
 0-20 Grains	✓	✓	✓	✓
 20+ Grains	✓	✓	✓	✓
 Liquid	✓	✓	✓	✓





Detergent



Acid



CIP



Sanitizer



Acid Sanitizer

SANITIZER

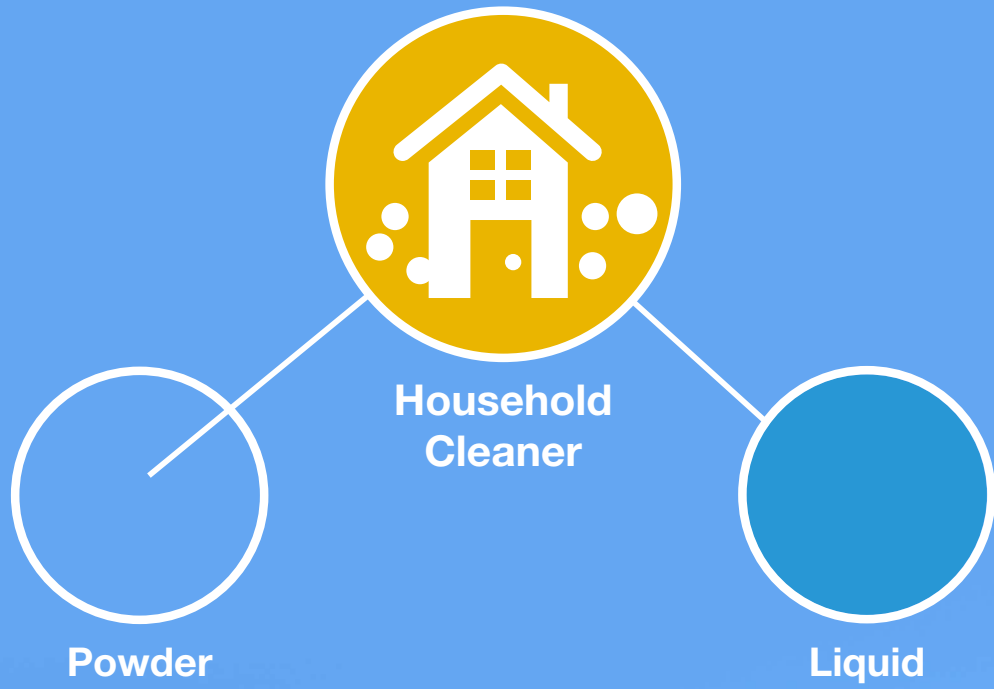
	Extract II	Premium Peroxide II	PCS Powder
 VMS Approved		✓	
 OMRI Approved		✓	
 Barium Safe	✓	✓	✓
 Low Foam	✓	✓	
 Standard Performance		✓	
 Specialty Cleaner			✓
 Bio Security	✓	✓	
 Household Cleaner	✓		✓
 Calf Sanitation		✓	
 Biodegradable		✓	
 Sustainability		✓	
 Customizable	✓		
 0-20 Grains	✓	✓	✓
 20+ Grains	✓	✓	✓
 Powder			✓
 Liquid	✓	✓	
 Chlorine	✓		✓
External Surface			✓





ACID SANITIZER				
	AcidiShine	MegaSan	MegaSan +	Dyne
VMS Approved	✓	✓	✓	
Barium Safe	✓	✓		✓
Low Foam	✓			✓
Iron Safe	✓	✓	✓	✓
Standard Performance		✓	✓	
Premium Performance	✓			✓
Biofilm	✓		✓	
Cleaning Challenge	✓			
Bio Security				✓
Calf Sanitation	✓			✓
2 n 1	✓	✓	✓	
Soil Removal	✓			
Biodegradable	✓			
Sustainability	✓			
0-20 Grains	✓	✓	✓	✓
20+ Grains	✓	✓	✓	✓
Liquid	✓	✓	✓	✓
External Surface				✓







Powder



Household Cleaner



Liquid

POWDER

	Expedite Powder	Fresh N Crisp	PCS Powder	Super-Kleenite
Barium Safe	✓		✓	
Cleaning Challenge				✓
Bio Security		✓	✓	
Household Cleaner	✓	✓	✓	✓
Specialty Cleaner	✓		✓	✓
Soil Removal	✓	✓		✓
Conventional	✓			✓
0-20 Grains	✓	✓	✓	✓
20+ Grains	✓	✓	✓	
Powder	✓	✓	✓	✓
Chlorine			✓	
External Surface	✓	✓	✓	





Powder



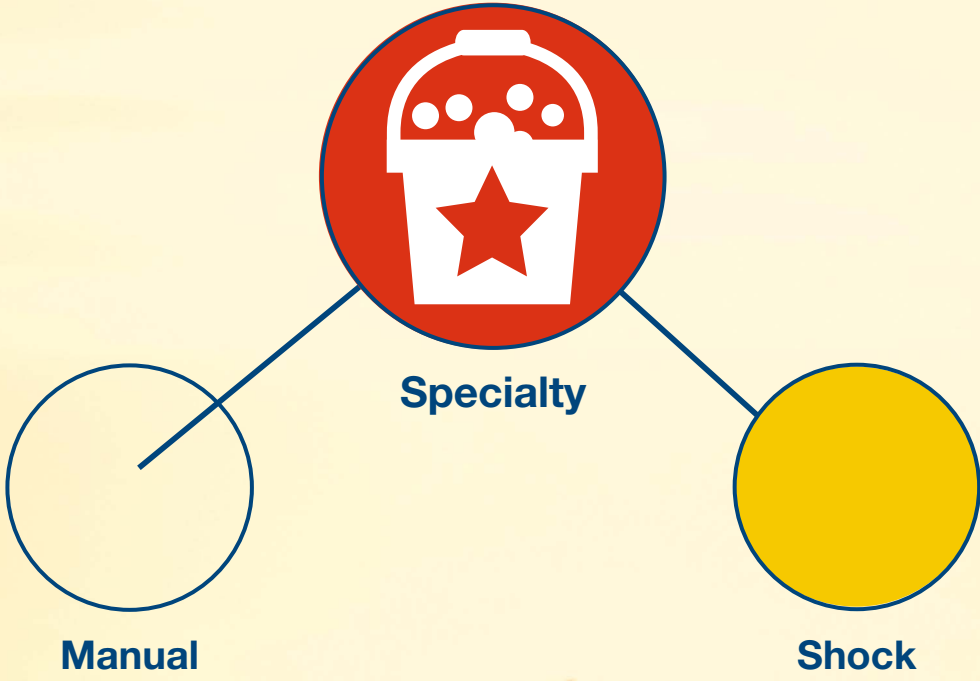
Household Cleaner



Liquid

LIQUID				
	Expedite Liquid	Extract II	Fresh N Crisp	Dairy Choice Hand Soap
Barium Safe	✓	✓		
Low Foam		✓		
Bio Security		✓	✓	
Household Cleaner	✓	✓	✓	✓
Specialty Cleaner	✓			
Soil Removal	✓		✓	
Conventional	✓			
Customizable		✓		
0-20 Grains	✓	✓	✓	
20+ Grains	✓	✓	✓	
Liquid	✓	✓	✓	
Chlorine		✓		
External Surface	✓	✓		







Manual



Specialty



Shock

MANUAL		
	Acidet	Alka Clean
 Barium Safe	✓	✓
 Low Foam		✓
 Iron Safe		✓
 Standard Performance		✓
 Cleaning Challenge		✓
 Bio Security	✓	
 Specialty Cleaner	✓	✓
 2 n 1	✓	
 Soil Removal		✓
 High Foam	✓	
 0-20 Grains	✓	✓
 20+ Grains	✓	✓
 Liquid	✓	✓
DCS		✓
External Surface	✓	✓
Bulk Tanks	✓	
Backflush	✓	





Manual



Specialty



Shock

MANUAL				
		Alka Plus Foam	Bio-Hatch	Clean
 Barium Safe				✓
 Low Foam			✓	✓
 Iron Safe			✓	✓
 Cleaning Challenge		✓		
 Bio Security		✓	✓	✓
 Calf Sanitation			✓	✓
 Specialty Cleaner		✓	✓	✓
 Soil Removal		✓		
 High Foam		✓		
 Conventional		✓		
 0-20 Grains		✓		✓
 20+ Grains		✓		✓
 Liquid		✓	✓	✓
External Surface		✓	✓	✓
Bulk Tanks				✓
Backflush				✓
Drop Hose			✓	✓





Manual



Specialty



Shock

MANUAL				
	Expedite Liquid	Expedite Powder	PCS Powder	Remedy
 Barium Safe	✓	✓	✓	
 Cleaning Challenge				✓
 Household Cleaner	✓	✓	✓	
 Specialty Cleaner	✓	✓	✓	✓
 Soil Removal	✓	✓		✓
 Conventional	✓	✓		
 0-20 Grains	✓	✓	✓	✓
 20+ Grains	✓	✓	✓	✓
 Powder		✓	✓	
 Liquid	✓			✓
 Chlorine			✓	
External Surface	✓	✓	✓	
Teat Sealant Remover				✓





Manual



Specialty



Shock

MANUAL				
		Rotex	Sheen Ezey	Super-Kleenite
	Cleaning Challenge	✓		✓
	Household Cleaner			✓
	Specialty Cleaner	✓	✓	✓
	Soil Removal	✓		✓
	Conventional	✓		✓
	0-20 Grains	✓	✓	✓
	20+ Grains	✓	✓	✓
	Powder	✓		✓
	Liquid		✓	
	External Surface	✓	✓	✓
	Rust Removal		✓	





Manual



Specialty



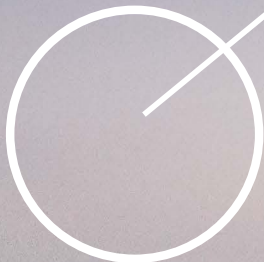
Shock

SHOCK			
		Liquid Hot Rod	Remedy
	Cleaning Challenge	✓	✓
	Specialty Cleaner	✓	✓
	Soil Removal	✓	✓
	0-20 Grains	✓	✓
	20+ Grains	✓	✓
	Liquid	✓	✓
	Teat Sealant Remover		✓





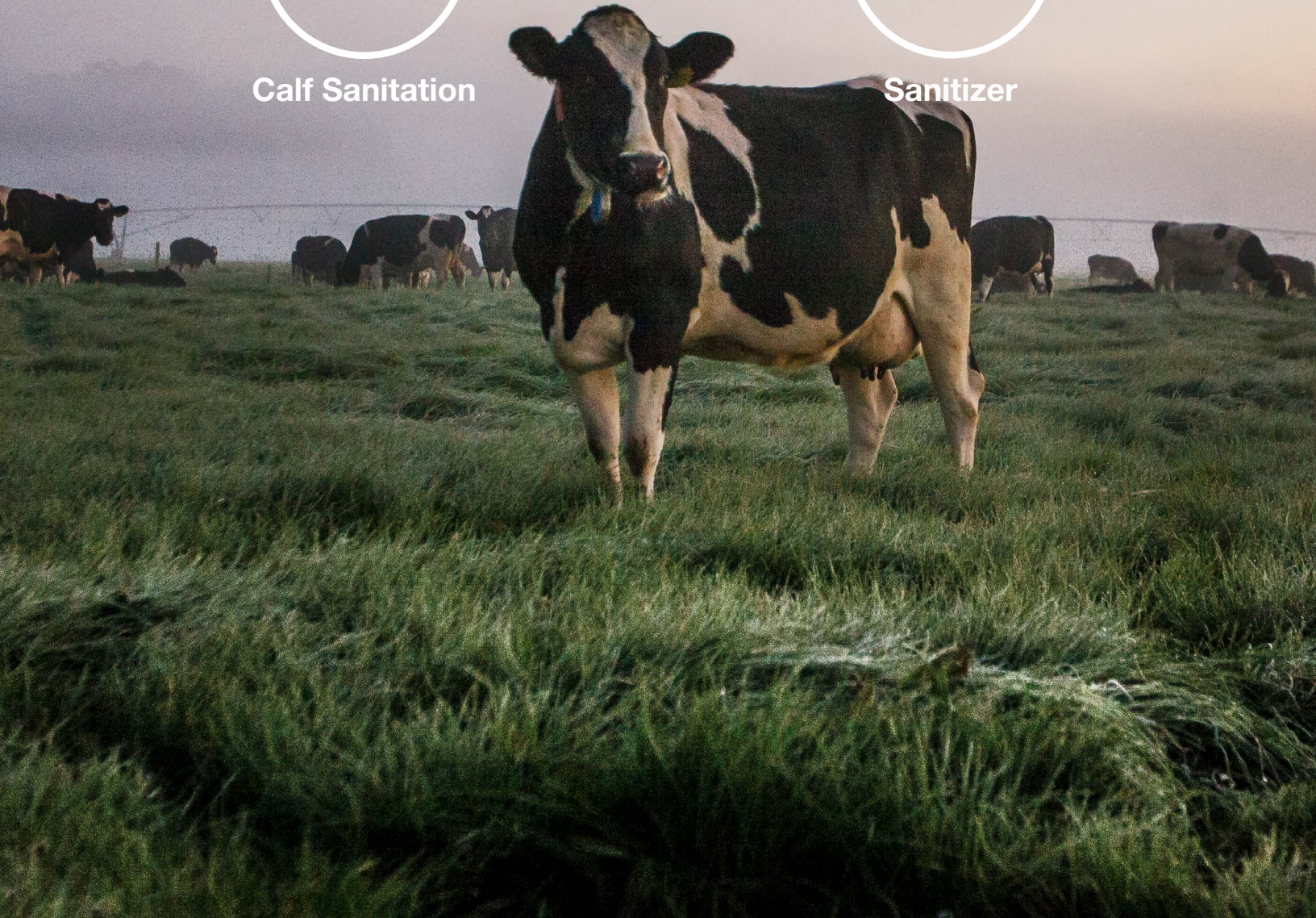
Biosecurity



Calf Sanitation



Sanitizer





CALF SANITATION		Bio-Hatch	Clean	AcidiQuat 4
	Barium Safe		✓	✓
	Low Foam	✓	✓	✓
	Iron Safe	✓	✓	✓
	Premium Performance			✓
	Bio Security	✓	✓	
	Calf Sanitation	✓	✓	✓
	Specialty Cleaner	✓	✓	
	2 n 1			✓
	Soil Removal			✓
	0-20 Grains	✓	✓	✓
	20+ Grains	✓	✓	✓
	Liquid	✓	✓	✓
	External Surface	✓	✓	✓
	Bulk Tanks		✓	
	Backflush		✓	
	Drop Hose	✓	✓	
	DCS			✓





Calf Sanitation



Biosecurity



Sanitizer

CALF SANITATION		
	Dyne	Premium Peroxide II
 VMS Approved		✓
 OMRI Approved		✓
 Barium Safe	✓	✓
 Low Foam	✓	✓
 Iron Safe	✓	✓
 Standard Performance		✓
 Premium Performance	✓	
 Bio Security	✓	✓
 Calf Sanitation	✓	✓
 Biodegradable		✓
 Sustainability		✓
 0-20 Grains	✓	✓
 20+ Grains	✓	✓
 Liquid	✓	✓
DCS		✓
External Surface	✓	✓
Bulk Tanks		✓
Backflush		✓
Drop Hose		✓





Calf Sanitation



Biosecurity



Sanitizer

SANITIZER		Acidet	Bio-Hatch	Clean	Dyne
	Barium Safe	✓		✓	✓
	Low Foam		✓	✓	✓
	Iron Safe		✓	✓	✓
	Premium Performance				✓
	Cleaning Challenge				
	Bio Security	✓	✓	✓	✓
	Calf Sanitation		✓	✓	✓
	Specialty Cleaner	✓	✓	✓	
	2 n 1	✓			
	Soil Removal				
	High Foam	✓			
	Conventional				
	0-20 Grains	✓		✓	✓
	20+ Grains	✓		✓	✓
	Liquid	✓		✓	✓
	External Surface	✓	✓	✓	✓
	Bulk Tanks	✓		✓	
	Backflush	✓		✓	
	Drop Hose		✓	✓	





Calf Sanitation



Biosecurity



Sanitizer

SANITIZER			
	Extract II	Maxidyne	Premium Peroxide II
 VMS Approved			✓
 OMRI Approved			✓
 Barium Safe	✓		✓
 Low Foam	✓		
 Standard Performance			✓
 Biofilm			✓
 Cleaning Challenge			✓
 Bio Security	✓	✓	✓
 Household Cleaner	✓		
 Calf Sanitation			✓
 Biodegradable			✓
 Sustainability			✓
 Customizable	✓		
 0-20 Grains	✓	✓	✓
 20+ Grains	✓	✓	✓
 Liquid	✓	✓	✓
 Chlorine	✓		
DCS			✓
External Surface	✓	✓	✓
Backflush		✓	✓





Calf Sanitation



Biosecurity



Sanitizer

SANITIZER				
	Bio-Hatch	Clean	PCS Powder	Premise Disinfectant
Barium Safe		✓	✓	
Low Foam	✓	✓		
Iron Safe	✓	✓		
Bio Security	✓	✓		✓
Calf Sanitation	✓	✓		✓
Household Cleaner			✓	
Specialty Cleaner	✓	✓	✓	✓
0-20 Grains		✓	✓	
20+ Grains		✓	✓	
Powder			✓	
Liquid	✓	✓		✓
Chlorine			✓	
External Surface	✓	✓	✓	✓
Bulk Tanks		✓		✓
Backflush		✓		✓
Drop Hose	✓	✓		✓

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