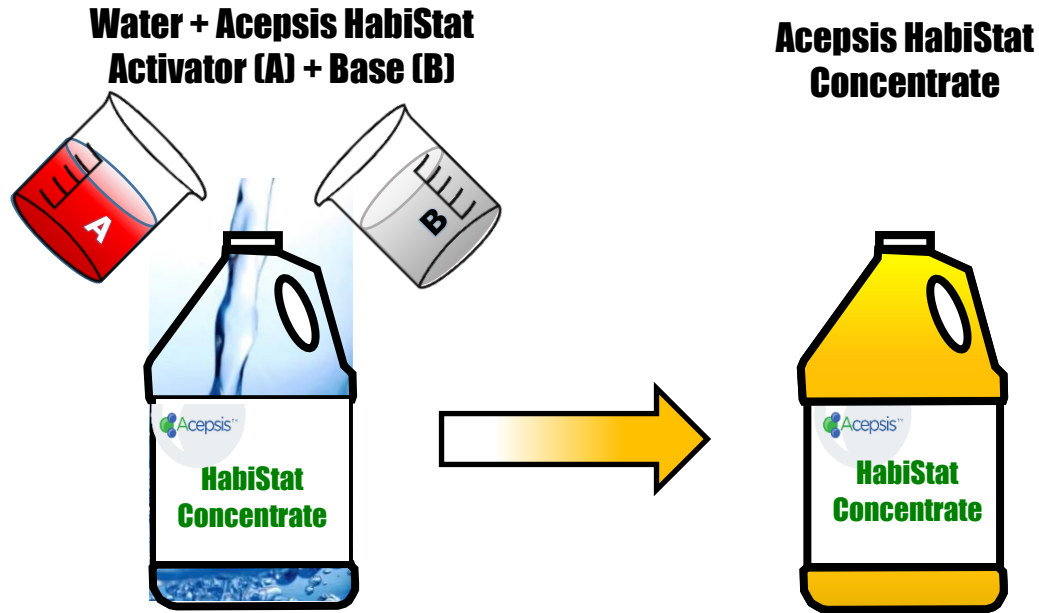


HabiStat Mixing Guide



Mixing Guide:

1. Always mix solutions into a clean, well labeled container;
2. Fill container with proper amount of cold, soft water;
3. Add proper amount of HabiStat Activator to container as directed;
4. Add proper amount of HabiStat Base 1000 to container as directed. Cap container immediately after mixing;
5. Allow to activate for approximately one hour prior to use;
6. Test solution with LaMotte ClO₂ high range test strips prior to use.

CONTAINER VOLUME PRODUCED		TARGET ClO ₂ PPM	WATER		HabiStat ACTIVATOR		HabiStat BASE 1000	
			OZ	ML	OZ	ML	OZ	ML
1 GALLON / 3.8 LITERS	250	126	3780	1.0	30	1.0	30	
	500	124	3720	2.0	60	2.0	60	
2.5 GALLONS / 9.5 LITERS	250	315	9450	2.5	75	2.5	75	
	500	310	9300	5.0	150	5.0	150	
5 GALLONS / 209 LITERS	250	630	18900	5.0	150	5.0	150	
	500	620	18600	10.0	300	10.0	300	

Calf Hygiene Cleaning Procedures and Usage Guide

Application	Procedures	Target PPM
Cleaning calf feeding equipment / utensils / general sanitation / hygiene procedures	1. Rinse all equipment / utensils with warm water (110°F / 45°C), removing organic material before washing.	50 PPM ClO ₂
	2. Soak equipment in hot water (140°F / 60°C) sink with a high foaming, chlorinated alkaline detergent (Chlor-A-Foam, making sure that pH level is 10.5 - 11.0 pH), for approximately 5 minutes.	
	3. Scrub vigorously with appropriate brushes for 2 minutes.	
	4. Rinse with cold water, removing all alkaline detergent.	
	5. Add HabiStat to cold rinse water, diluting solution to 50 PPM (13 oz. / 1 gallon of water)	
	6. Allow all equipment / utensils to air dry thoroughly prior to use.	
Cleaning maternity / calving areas / calf pens / hutches / floors / walls / livestock trailers	1. Remove all animals from targeted cleaning area.	100 PPM ClO ₂
	2. Remove all organic materials from hutch / pen areas / trailers (bedding, manure, feed, etc.)	
	3. Thoroughly soak rinse targeted areas, from high to low, with warm water.	
	4. Apply high foaming, alkaline detergent (Chlor-A-Foam) making sure that pH level is 10.5 – 11.0 pH, allowing to soak for 5 – 10 minutes.	
	5. Scrub surfaces vigorously with appropriate brushes for 2 minutes.	
	6. Rinse with cold water, removing all alkaline detergent.	
	7. Spray all surfaces with diluted HabiStat CONCENTRATE (chlorine dioxide) at 100 PPM, spraying from highest to lowest area.	
	8. Allow facilities to air dry prior to use.	
Environmental fogging / no animals present	1. Close all walls / outside ventilation to seal targeted environment.	500 PPM ClO ₂
	2. Wear appropriate safety gear, including breathing apparatus, eye protection and rubber gloves when working with ClO ₂ above 200 PPM.	
	3. Remove all animals from targeted environment prior to fogging.	
	4. Use approximately 1 gallon of 500 PPM HabiStat ClO ₂ per 2000 cubic feet.	
	5. Turn on fogging equipment and leave area for approximately 45 minutes.	
	6. Allow 60 minutes of contact time.	
	7. Open walls, turn on ventilation for approximately 60 minutes prior to restocking housing area with animals.	