

FreshAWL™ WOW-Air™ vs. Current Chemical Use

Product Name	Hazard Class	Safety	Anti-bacterial	Creates Sludge	Type of Control	% Efficiency	Odor Stability	Usage lb/lb	Expiration Period	Observed Odor Suppression Period
FreshAWL™ WOW-Air™	None	No Hazard	No	No	Chemical	Greater than 90%	Stable	.5-1	15 min.	Up to 10 days
Bleach-Chlorine	Oxidizer	Corrosive Sp. Hand.	Yes	No	Oxidizer	Not Efficient	Suppressed for 3 hrs.	8.4 Chlorine	1-3 hrs.	3 hrs.
Ferric Chloride	Corrosive	Corrosive Acidic	Yes	Yes Lg. Amt.	Oxidizer Precipitator	40%	Suppressed reaction	11.5 FeCl2 Sol.	1-3 hrs.	Limited Supply
Ferrous Chloride	Corrosive	Corrosive Acidic	Yes	Yes	Precipitator	40%	Stable	3.75 FeCl2	1-3 hrs.	Limited Supply
Ferrous Sulfate	None	Corrosive Acidic	Unknown	Yes	Precipitator	40%	Stable	2.75 FeSO4	1-3 hrs.	Limited Supply
Hydrogen Peroxide 50%	Oxidizer	Ext. Oxidizer Fire Hazard	Yes	No	Oxidizer	Unknown	Suppressed for 3 hrs.	1.8-7.2 H2O2	1-3 hrs.	3 hrs.
Oxygen	Oxidizer	Ext. Oxidizer Fire Hazard	Yes	No	Oxidizer	Unknown	Suppressed for 3 hrs.	3 O2	< 2hrs.	3 hrs.
Bioxide (Calcium Nitrate)	Oxidizer	Oxidizer	Yes	No	Oxidizer	Unknown	Suppressed up to 8 hrs.	7	1-2 hrs.	8 hrs.
Nitra-zyme	Oxidizer	Oxidizer	Yes	No	Oxidizer	Unknown	Suppressed up to 8 hrs.	9	1-2 hrs.	8 hrs.
Thio-guard	None Listed	Corrosive to hands	No	Yes and Scale	pH Control	44%	Dep. on pH & Agitation	3.4	1 hr.	8 hrs.
Calcium Hydroxide	None Listed	Corrosive to hands	No	Yes and scale	pH Control	44-50%	Stable	5.78	1 hr.	8 hrs.
Potassium Permanganate	Oxidizer	Fire Hazard Staining	Yes	Yes	Oxidizer	Not Efficient	Suppressed for 3 hrs.	17	1 hr.	Unknown