## Bio Deoriser odor reduction rates

Substance		Concentration reduction rate for substance	Solubility in water	Neutralization	Flow-through velocit
Nitrogenous compounds	Ammonia	0	54g/100ml	Required	0.75~1.0 m/sec
	Trimethylamine	0	108g/100ml		
	Dimethylamine	0	23.7g/100ml		
	Diethylamine	0	Completely soluble		
Sulfurous compounds	Methyl mercaptan	0	2.3g/100ml	Required	0.75~1.0 m/sec
	Hydrogen sulfide	0	0.67g/100ml		
	Methy sulfide	0	Unknown		
	Methyl disulfide	0	Unknown		
Aldehydes	formaldehyde	0	Completely soluble	Not Required	0.5~0.75 m/sec
	Acetaldehyde	0	Freely soluble		
	Propionaldehyde	∆~0	22g/100ml		
	Normal butyraldehyde	∆~0	Unknown		
	Isobutyraldehyde	∆~0	11g/100ml		
	Isomer valeraldehyde	∆~0	Unknown		
	Isovaleraldehyde	∆~0	Unknown		
	Isobutanol	∆~0	8.7g/100ml		
	Ethyl acetate	Δ	8.7g/100ml	NotRequired	0.5m/sec以下
	Methyl isobutyl ketone	Δ	1.8wt%		
	Toluene	x~∆	Insoluble		
	Xylene	x~∆	Insoluble		
	Styrene	x~∆	30mg/100ml		
	Isopropyl alcohol	0	Completely soluble		
	Methylethylene	∆~0	29g/100ml		
	Formaldehyde	0	Completely soluble		
	Propyl acetate	Δ	2.3wt%		
	Cyclohexane	x~∆	Insoluble		
	Phenol	∆~0	8.4g/100ml		
	PGME	0	Completely soluble		
	PGMEA	0	20g/100ml		
	N-methyl-2-pyrrolidone	∆~0	Unknown		
	Acetone	∆~0	Freely soluble		
	Methanol	0	Freely soluble		
	Ethanol	0	Freely soluble		
Fatty acid	Propionic acid	∆~0	Unknown	Required	0.5∼0.75 m/sec
	Normal butyric acid	∆~0	Unknown		
	Normal valeric acid	∆~0	Unknown		
	Isovaleric acid	∆~O	Unknown		

\*Figures indicate the average reduction rates for Deodorizer single shower specification, but these should be considered as references only as rates may vary depending on odor source concentration. We recommend performing an actual deodorization with a test device at the site in question.