

HEALTH EFFECTS OF INDIVIDUAL CYANOTOXINS

www.ewg.org/toxicalgalblooms

TOTAL MICROCYSTINS

SHORT-TERM EXPOSURE HEALTH EFFECTS

Headache	Dry Cough
Sore Throat	Diarrhea
Vomiting	Mouth Blistering
Nausea	Pneumonia
Upset Stomach	

LONG-TERM EXPOSURE HEALTH EFFECTS

Tumor Development
Liver Failure
Cancer
Decreased Sperm Count & Motility

NODULARIN

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ANATOXIN-A

SHORT-TERM EXPOSURE HEALTH EFFECTS

Tingling	Drowsiness
Burning	Muscular Twitching
Numbness	Respiratory Paralysis

LONG-TERM EXPOSURE HEALTH EFFECTS

Cardiac Arrhythmia



CYLINDROSPERMOPSIN

SHORT-TERM EXPOSURE HEALTH EFFECTS

Fever	Liver Damage
Headache	Kidney Damage
Vomiting	Loss of Water, Electrolytes & Protein
Bloody Diarrhea	

LONG-TERM EXPOSURE HEALTH EFFECTS

Malaise
Anorexia
Liver Failure

SAXITOXIN

SHORT-TERM EXPOSURE HEALTH EFFECTS

Dizziness	Increased Thirst
Muscle Weakness	Increased Heart Rate
Nausea	Numbness of Mouth & Other Extremities
Vomiting	

LYNGBYATOXIN

SHORT-TERM EXPOSURE HEALTH EFFECTS

Irritation to Eyes, Ears & Throat	Skin Rash
	Skin Lesions

LIPOPOLYSACCHARIDES, LPS

SHORT-TERM EXPOSURE HEALTH EFFECTS

Skin Rash	Skin Irritation
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