Section 11. Toxicological information

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Barium sulfate	Acute EC50 634 mg/L Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute EC50 32 mg/L Fresh water	Daphnia - Daphnia magna	48 hours
Calcium dihydroxide	Acute LC50 33884.4 µg/L Fresh water	Fish - Clarias gariepinus - Fingerling	96 hours
Zinc powder - zinc dust (stabilized)	Acute EC50 106 µg/L Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Acute EC50 10000 µg/L Fresh water	Aquatic plants - Lemna minor	4 days
	Acute IC50 65 µg/L Marine water	Algae - Nitzschia closterium - Exponential growth phase	4 days
	Acute LC50 65 µg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 68 µg/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 12.21 µg/L Marine water	Fish - Periophthalmus waltoni - Adult	96 hours
	Chronic EC10 27.3 µg/L Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Chronic EC10 59.2 µg/L Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 9 mg/L Fresh water	Aquatic plants - Ceratophyllum demersum	3 days
	Chronic NOEC 178 µg/L Marine water	Crustaceans - Palaemon elegans	21 days
	Chronic NOEC 2.6 µg/L Fresh water	Fish - Cyprinus carpio	4 weeks
Methenamine	Acute EC50 36000000 µg/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 49000000 µg/L Marine water	Fish - Cyprinodon variegatus	96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Methenamine	-2.18	-	low

Mobility in soil