

# Attachment 8

## Toxicity Testing Items for Technical Grade Environmental Agents and General and Special Environmental Agents

Classifications	Types	Test Items							
		Active Components	Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Primary eye irritation (skin irritation)	Mutagenicity testing (genetic mutation, chromosomal aberration, other)	Dermal Sensitization	Aquatic Organism Toxicity
Technical Grade Environmental Agent	Previously registered component (me-too comp.)	1	○	○	○	○	○		○
General Use Environmental Agents	Pesticides, Miticides (aerosol)	1							△1
		2-3	○	○					△1
		4 or more	○	○	○	○	○	○	△1
	Pesticides, Miticides (mosquito-repellent incense, electrically-activated mosquito repellent incense, liquid electrically-activated mosquito repellent incense, smoke generator, fumigant)	1							△1
		2-3	○	○	△3				△1
		4 or more	○	○	○	○	○	○	△1
	Pesticides, Matricides (bait, powder, granules, flakes, pieces/chunks, liquid, oil, paste)	1							△1
		2-3	○	○		△2			△1
		4 or more	○	○	○	○	○	○	△1
	Rodenticide	1							△1
	Bactericides /Fungicides	1							△1
		2-3	○	○		△2			△1
		4 or more	○	○	○	○	○	○	△1
	Special environmental agents	Insecticide (liquid, suspensions, oils, wettable powders, ultra-low capacity agents, hydrates, emulsions, or other preparations), Germicides	1				△2		
2-3			○	○		△2			△1
4 or more			○	○	○	○	○	○	△1

Explanation:

- I. ○: Mandatory
- II. △1: Finished products made with technical grade environmental agents that are toxic to aquatic organisms and labeled as being toxic to aquatic organisms are not required to submit aquatic organism toxicity data.
- III. △2: Finished products made with technical grade environmental agents that can cause dermal sensitization and that have been labeled as causing dermal sensitization are not required to submit dermal sensitization data.
- IV. △3: Agents labeled to indicate that the windows should be temporarily closed when used in an indoor environment and that people and domestic animals should vacate the space are exempt from having to submit acute inhalation toxicity testing data of the finished product, whereas those without such labeling must submit said data.
- V. If an active component of an environmental sanitation germicide is being registered for environmental use for the first time, but the same active component has already been registered for agricultural, pharmaceutical, or veterinary use, technical grade environmental agent toxicity testing items shall be submitted.
- VI. Mutagenicity testing includes *in vitro* mammalian cell chromosome assay, bacterial reverse gene mutation assay, *in vivo* mammalian cell chromosome cytogenetics.
- VII. First time domestic application for pheromones should make certain that the toxicological test item is attached to the same effective ingredient (me-too comp.) that has been registered.