SECTION V — ANNEX 4

GreenScreen Benchmark Criteria for Inorganic Chemicals
Benchmark Criteria for Inorganic Chemicals

**GREENSCREEN BENCHMARK–4**
Low B + Low T (Ecotoxicity, Group I, II and II* Human) + Low Physical Hazards (Flammability and Reactivity) + Low (additional ecotoxicity endpoints when available)

Prefer—Safer Chemical

**GREENSCREEN BENCHMARK–3**
- a. Moderate B
- b. Moderate Ecotoxicity
- c. Moderate T (Group II or II* Human)
- d. Moderate Flammability or Moderate Reactivity

Use but Still Opportunity for Improvement

**GREENSCREEN BENCHMARK–2**
- a. Moderate P + Moderate B + Moderate T (Chronic Aquatic Toxicity or Group I or II* Human)
- b. High P + Moderate T (Chronic Aquatic Toxicity or Group I or II* Human)
- c. High B + Moderate T (Ecotoxicity or Group I, II, or II* Human)
- d. Moderate T (Group I Human)
- e. Very High T (Ecotoxicity or Group II Human) or High T (Group II* Human)
- f. High Flammability or High Reactivity

Use but Search for Safer Substitutes

**GREENSCREEN BENCHMARK–1**
- a. PBT = High P + High B + [very High T (Chronic Aquatic Toxicity) or High T (Group I or II* Human)]
- b. vPT = very High P + [very High T (Chronic Aquatic Toxicity) or High T (Group I or II* Human)]
- c. vBT = very High B + [very High T (Chronic Aquatic Toxicity) or High T (Group I or II* Human)]
- d. High T (Group I Human)

Avoid—Chemical of High Concern

See Section 12.6 for instructions.

**Group I Human** includes Carcinogenicity, Mutagenicity/Genotoxicity, Reproductive Toxicity, Developmental Toxicity (incl. Developmental Neurotoxicity), and Endocrine Activity. **Group II Human** includes Acute Mammalian Toxicity, Systemic Toxicity/Organ Effects-Single Exposure, Neurotoxicity-Single Exposure, Eye Irritation and Skin Irritation. **Group II* Human** includes Systemic Toxicity/Organ Effects-Repeated Exposure, Neurotoxicity-Repeated Exposure, Respiratory Sensitization, and Skin Sensitization. Immune System Effects are included in Systemic Toxicity/Organ Effects. **Ecotoxicity** includes Acute Aquatic Toxicity and Chronic Aquatic Toxicity.