



SECTION V — ANNEX 3

GreenScreen **Benchmark Criteria for Organic Chemicals**



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Unspecified Due to Insufficient Data

Benchmark Criteria for Organic Chemicals

GREENSCREEN BENCHMARK-4 **ABBREVIATIONS** P Persistence Low P + Low B + Low T (Ecotoxicity, Group I, II and II* Human) + Bioaccumulation Low Physical Hazards (Flammability and Reactivity) + Low (additional ecotoxicity **Human Toxicity** endpoints when available) and Ecotoxicity Prefer—Safer Chemical GREENSCREEN BENCHMARK-3 a. Moderate P or 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 (Ecotoxicity or Group I, II, or II* Human) b. High P + High B c. High P + Moderate T (Ecotoxicity or Group I, II, or II* Human) d. High B + Moderate T (Ecotoxicity or Group I, II, or II* Human) e. Moderate T (Group I Human) f. Very High T (Ecotoxicity or Group II Human) or High T (Group II* Human) g. High Flammability or High Reactivity **Use but Search for Safer Substitutes** GREENSCREEN BENCHMARK-1 a. PBT = High P + High B + [very High T (Ecotoxicity or Group II Human) or High T (Group I or II* Human)] b. vPvB = very High P + very High Bc. vPT = very High P + [very High T (Ecotoxicity or Group II Human) or High T (Group I or II* Human)] d. vBT = very High B + [very High T (Ecotoxicity or Group II Human) or High T (Group I or II* Human)] GREENSCREEN e. High T (Group I Human) BENCHMARK-U

See Section 11.6 for instructions.

Avoid—Chemical of High Concern

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.

* For inorganic chemicals, see "Annex 4: Benchmark Criteria for Inorganic Chemicals."