

Eastman **OMNIA™**
high-performance solvent

Regulatory information and toxicology study results

Regulatory status		
California Proposition 65 List		Not on list and not expected to be added to list
Clean Air Act Hazardous Air Pollutants List		Not on list and not expected to be added to list
U.S. EPA Toxic Release Inventory		Not on list and not expected to be added to list
CA Air Regulatory Board (CARB) Toxic Air Contaminant List		Not on list and not expected to be added to list
Canadian Toxic Substances List		Not on list and not expected to be added to list
EPA Class I & II and Montreal Protocol Ozone Depleting Substances List		Not on list and not expected to be added to list

Mammalian toxicology studies	Outcome	Significance
Acute oral toxicity	LD ₅₀ > 5000 mg/kg (no lethality observed)	Low potential for acute toxicity
Acute dermal toxicity	LD ₅₀ > 5000 mg/kg (no lethality observed) ^a	Low potential for acute toxicity
Acute inhalation toxicity (mist)	LC ₅₀ > 5 mg/m ³ (no lethality observed) ^a	Low potential for acute toxicity
Bacterial cell mutagenicity assay	Negative for mutagenesis	Cancer bioassay not needed
Estrogen receptor transactivation assay	Negative for activation of estrogen signaling; negative for inhibition of estrogen signaling	(-) for endocrine disruption
14-day repeat dose oral toxicity	No effects at daily dosage of up to 1000 mg/kg ^a	Established appropriate doses for subsequent 28-day study
Dermal irritation	Slight irritation	Formulated product is not likely to irritate skin
Local lymph node assay (LLNA)	Negative	No potential for skin sensitization
Ocular irritation	Moderate eye irritation	While 100% material will require classification under GHS, this is likely to be irrelevant for highly diluted formulations
Combined 28-day repeat dose oral toxicity + reproductive toxicity screening	No effects after repeated daily dosage of up to 1000 mg/kg over 28 days ^a	No evidence of reproductive toxicity
Mammalian cell mutagenicity assay	Negative for mutagenesis ^a	Cancer bioassay not needed
Chromosomal aberration assay	Negative for mutagenesis ^a	Cancer bioassay not needed

Environmental fate/ ecotoxicology studies	Outcome	Significance
Ready biodegradation assay	Readily biodegradable	Rapid and ultimate biodegradation expected in wastewater treatment plants and the environment
EPI Suite™ modeling of bioaccumulation	Log BCF and log BAF < 1.0	Not expected to accumulate in organisms at levels of concern
Acute toxicity to aquatic invertebrates (daphnia)	No effects at maximum threshold for acute hazard classification (100 mg/L)	Low concern for toxicity to aquatic invertebrates
Acute toxicity to aquatic vertebrates (fish)	No effects at maximum threshold for acute hazard classification (100 mg/L)	Low concern for toxicity to aquatic vertebrates
Aquatic plant (algae) toxicity study	No effects at maximum threshold for hazard classification (100 mg/L nominal, 55 mg/L mean measured)	Low concern for toxicity to aquatic plants

^aBased on read-across to study data for a similar molecule with close structural similarity.



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