

LCA Phoenix vs Aqualine Detailed results

Simplified Life Cycle Assessment made by Elis and reviewed by Eeva Consultancy

Scope: cradle to gate, use and end of life of dispenser are excluded

Method: EF 3.1. and ReciPe for water consumption

Database: Ecoinvent 3.9.1 & specific data on modeling from supplier

Study conducted on P2F model

Damage category	Unit	Reduction
Single Score	mPt	-28%
Water use	m ³ depriv.	-39%
Water consumption	m ³	-35%
Particulate matter	disease inc.	-32%
Resource use, fossils	MJ	-32%
Cumulative energy demand	MJ	-31%
Climate change	kg CO ₂ eq	-30%
Acidification	mol H ⁺ eq	-28%
Photochemical ozone formation	kg NMVOC eq	-26%
Ecotoxicity, freshwater	CTUe	-23%
Eutrophication, terrestrial	mol N eq	-22%
Eutrophication, marine	kg N eq	-20%
Eutrophication, freshwater	kg P eq	-5%
Human toxicity, cancer	CTUh	-4%
Ozone depletion	kg CFC11 eq	-2%
Human toxicity, non-cancer	CTUh	9%
Land use	Pt	12%
Ionising radiation	kBa U-235 eq	17%
Resource use, minerals and metals	kg Sb eq	25%