

TOXIC AT ANY SPEED

Chemicals in cars and
the need for safe alternatives

The Ecology Center collected windshield film and dust samples from randomly selected 2000 to 2005 model cars made by 11 leading auto manufacturers. Rankings of these companies by the concentrations of PBDEs (polybrominated diphenyl ethers) and phthalates found on windshield films are presented below.

Ranking of Vehicles by Company (Windshield Film Concentrations)

Auto Company	Total PBDE, $\mu\text{g}/\text{m}^2$	Auto Company	Total Phthalates, $\mu\text{g}/\text{m}^2$
Hyundai	0.054	Volvo	3
Volvo	0.152	BMW	3
BMW	0.178	VW	4
Honda USA	0.193	General Motors	5
Ford	0.280	Toyota USA	6
General Motors	0.301	Honda USA	6
Toyota	0.323	Mercedes	6
Honda	0.351	Honda	7
VW	0.594	Subaru	7
Subaru	0.744	Chrysler	7
Toyota USA	0.936	Toyota	8
Chrysler	1.021	Ford	10
Mercedes	1.772	Hyundai	24

Note: Toyota and Honda samples were separated by the country (U.S. or Japan) in which the vehicles were produced.

ECOLOGY CENTER



117 North Division Street, Ann Arbor, MI 48104
734.761.3186 (phone) · 734.663.2414 (fax)
info@ecocenter.org · www.ecocenter.org