



ECOLOGICAL CERTIFICATE

ECO DISHES

Highly concentrated neutral product designed for manual washing dishes.

Composition (according to: 648/2004/EC): <5% non-ionic and amphoteric surfactants, 5÷15% anionic surfactants, aroma composition, auxiliary substances.

Ecological properties of each ingredient:

Non-ionic surfactants

Origin: corn, wheat, vegetable oils.

Vulnerability to biodegradation: complies with the biodegradability criteria laid down in WE 648/2004.

Biodegradability: easily biodegradable >80%/28d (OECD 301D).

Ecotoxicity: LC50 fish = 198 mg/l/96h, EC50 daphnia >100 mg/l/48h.

Amphoteric surfactants

Origin: vegetable oils, sugar beets.

Vulnerability to biodegradation: complies with the biodegradability criteria laid down in WE 648/2004.

Biodegradability: easily biodegradable 89%/28d (OECD301A).

Ecotoxicity: LC50 fish = 6.73 mg/l/96h, EC50 daphnia = 3.7 mg/l/24h, EC50 algae = 1.84 mg/l/96h.

Anionic surfactants

Origin: vegetable oils.

Vulnerability to biodegradation: complies with the biodegradability criteria laid down in WE 648/2004.

Biodegradability: easily biodegradable.

Ecotoxicity: LC50 fish = 7.1 mg/l/96h, EC50 daphnia = 7.2 mg/l/48h, EC50 algae = 7.5 mg/l/96h.

Aroma composition

Aroma composition complies with the European ECOLABEL requirements.

Auxiliary substances

Origin: sugar beets.

Vulnerability to biodegradation: completely dissolvable in water.

Quickly decomposes into water and carbon dioxide.

Every surfactant fulfil the biodegradability criteria laid down in Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (with later changes). Remaining substances exhibit high biodegradability grade and decomposition in maximum 28 days. Thanks to this fact, products can be used in households and institutions that have biological sewage plants.