

TEGOSOFT® MM MB

Zusammenfassung der Produktdaten zur Toxikologie und Ökologie* / Summary of Product Data with Reference to Toxicology and Ecology*

Prüfung Test	Methode Method	Ergebnis Result	Datum Date	> 11.03.2009/ Zweck > 11.03.2009/ Purpose
Akute orale Toxizität (Ratte) Acute oral toxicity (rat)	OECD 401	LD ₅₀ > 5,000 mg/kg	12/1976	
Akute dermale Toxizität (Ratte) Acute dermal toxicity (rat)	OECD 402	LD ₅₀ > 2,000 mg/kg ¹⁾		
Akute Inhalationstoxizität (Ratte) Acute inhalation toxicity (rat)	OECD 436	LC ₅₀ > 5.7 mg/L air (analytical) ²⁾		
Akute Hautreizung (Kaninchen) Acute dermal irritation (rabbit)	OECD 404	nicht reizend not irritating	12/1985	
Akute Augenreizung (Kaninchen) Acute eye irritation (rabbit)	OECD 405	nicht reizend ³⁾ not irritating		
Hautsensibilisierung (Maus) Skin sensitization (mouse)	OECD 429	nicht sensibilisierend ¹⁾ not sensitising		
Kombinierte Studie zur Toxizität bei wiederholter Verabreichung mit der Reproduktions-/Entwicklungstoxizität (Ratte) Combined repeated dose toxicity study with the reproduction/ developmental toxicity screening test (rat)	OECD 422	NOAEL female = 300 mg/kg bw/day ⁴⁾ (actual dose) NOAEL male = 1,000 mg/kg bw/day (nominal)		
90 Tage Toxizität bei wiederholter Verabreichung (Ratte) 90 Day repeated dose toxicity (rat)	OECD 408	NOAEL = 1,000 ⁵⁾ mg/kg bw/day		
Genotoxizität (Ames) Gene toxicity (Ames)	OECD 471	negativ negative	09/1994	
Chromosomale Aberration Chromosomal aberration	OECD 473	negativ ²⁾ negative		
In-vitro Säugetierzellen-Genmutation / In-vitro mammalian cell gene mutation	OECD 476	negativ ²⁾ negative		
Säugetier-Erythrozyten Micronucleus Test (Maus) Mammalian erythrocyte micronucleus test (mouse)	OECD 474	negativ ¹⁾ negative		
Kombinierte Studie zur Toxizität bei	OECD 422	NOAEL reproduction		

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wiederholter Verabreichung mit der Reproduktions-/Entwicklungstoxizität (Ratte) Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test (rat)		P (female) = 300 ⁴⁾ mg/kg bw/day (actual dose) NOAEL reproduction P (male) = 1,000 mg/kg bw/day (nominal) NOAEL developmental F1 8male/female) = 300 mg/kg bw/day (actual dose)		
Pränatale Entwicklungstoxizität (Ratte) Prenatal developmental toxicity (rat)	OECD 414	NOAEL maternal, ⁶⁾ developmental toxicity and teratogenicity each 1,000 mg/kg bw/day		
Biologische Abbaubarkeit Biodegradability	OECD 301 C	67% (28d) leicht abbaubar readily biodegradable	02/1992	
Bioakkumulation Wasser/Sediment Bioaccumulation aquatic/sediment	BCFBAF v3.01	BCF = 22.7 L/kg ⁷⁾	06/2011	
Bioakkumulation Wasser/Sediment Bioaccumulation aquatic/sediment	BCFBAF v3.01	BCF = 0.9115 L/kg ⁷⁾ BAF = 23.7 L/kg (Arnot Gobas)	06/2012	
Absorption/Desorption	KOCWIN v2.00	Log Koc = 7.8566 ⁷⁾	06/2011	
Absorption/Desorption	KOCWIN v2.00	Log Koc = 7.0223 ⁷⁾	06/2011	
Absorption/Desorption	KOCWIN v2.00	Log Koc = 4.9371 ⁷⁾	06/2011	
Akute Fischtoxizität Acute fish toxicity	OECD 203	EC ₅₀ (96h) > 100 mg/L NOEC (96h) > 100 mg/L	11/2012	REACH, tonnage band > 100 - 1,000 tons
Akute Daphnientoxizität Acute daphnia toxicity	OECD 202	EL ₅₀ (48h) > 100 mg/L nominal NOELR (48h) > 100 mg/L nominal	11/2012	
Akute Algentoxizität Acute algae toxicity	OECD 201	EL ₅₀ (72h) > 100 mg/L nominal	11/2012	

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		NOELR (72h) > 100 mg/L nominal		
Toxizität für Mikroorganismen Toxicity to microorganisms	OECD 301 C	NOEC (28d) > 100 mg/L	02/1992	
Toxizität für Boden-Mikroorganismen Toxicity to soil microorganisms	other than guideline ⁸⁾	Total degradation had occurred after 60 days. The half-life was determined as 7 days, during this time, substance migrated by only 15 cm. ⁹⁾		

- 1) Read-across based on grouping of substances (category approach)
- 2) Read-across from 2-Ethylhexyl Oleate
- 3) Read-across from 2-Ethylhexyl Laurate
- 4) Read-across from Isodecyl Oleate
- 5) Read-across from 2-propylheptyl octanoate
- 6) Read-across from isononanoic acid, mixed hexadecyl-octadecyl esters
- 7) Weight-of-evidence approach
- 8) The degradation of an oil additive in soil was investigated. A Lysimeter was used to follow the migration and progressive biodegradation of the oils by soil microorganisms over time. Also metabolites were identified.
- 9) Weight-of-evidence approach, read-across from methyl oleate

* Full Robust Study Summaries can be checked under the ECHA Registered Substance website and with the following registration number: 01-2119969648-15

Video instruction for use:

<http://personal-care.evonik.com/product/personal-care/en/media-center/videos/reach-tox-data/pages/default.aspx>

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