

PRODUCT INFORMATION

Neptune[®] AW

Typical Environmental Properties

EPA 410.4 Chemical Oxygen Demand (COD)

Neptune [®] AW-46	2110 mg O ₂ /g
Neptune [®] AW-46	2084 mg O ₂ /mL

EPA 405.1 Biological Oxygen Demand (BOD)

Neptune [®] AW-46	BOD ₅	1.4 mg O ₂ /g (0.05%)
Neptune [®] AW-46	BOD ₅	20 mg O ₂ /mL (1.0%)
Neptune [®] AW-46	BOD ₁₀	140 mg O ₂ /mL (6.7%)
Neptune [®] AW-46	BOD ₁₅	840 mg O ₂ /mL (40.3%)
Neptune [®] AW-46	BOD ₂₀	1020 mg O ₂ /mL (48.9%)
Neptune [®] AW-46	BOD _{end}	1180 mg O ₂ /mL (56.6%)

OECD Biodegradability Test

	28 day	301A	301B	
Neptune [®] AW-32			80.0%	"readily biodegradable"
Neptune [®] AW-46			75.8%	
Neptune [®] AW-68			61.6%	

A result of > 60% is required to be classified as "readily biodegradable"

OECD Method 224, Bacteria inhibition

OECD Method 201, Algae Toxicity Test EC₅₀ "no ecological doubt"

Neptune [®] AW-32	4200 mg/L	"relatively harmless"
Neptune [®] AW-46	8100 mg/L	
Neptune [®] AW-68	9200 mg/L	

OECD Method 202, Acute Aquatic Toxicity Test

Neptune [®] AW-32	492 mg/L	"practically non-toxic"
Neptune [®] AW-46	536 mg/L	
Neptune [®] AW-68	737 mg/L	

OPPTA 850.1035, Acute Aquatic Toxicity Test

Neptune AW-32	593 mg/L	"practically non-toxic"
Neptune AW-46	679 mg/L	
Neptune AW-68	889 mg/L	

OECD Method 203, Acute Aquatic Toxicity Test

Neptune AW-32	759 mg/L	"practically non-toxic"
Neptune AW-46	918 mg/L	
Neptune AW-68	803 mg/L	

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material. Freedom to use any patent owned by American Chemical Technologies' or others is not to be inferred from any statement contained herein.

