

Human Health and Environmental Fact Sheet

Product name		MELAPUR 200 70	
Synonyms	Melamine-polyphosphate, MELAPUR 200		
CAS no.	218768-84-4		
Molecular Structure			
Mw	g/mole		
Mf			
Physical form	powder		
Use	Flame retardant		
PBT/vPvB EVALUATION			
	Conclusion		Comments
Persistent or very Persistent	Yes	No	
Bioaccumulative or very bioaccumulative	Yes	No	
Ecotoxicity	Yes	No x	
HUMAN HEALTH			
	Result		Comments
Acute toxicity			
Acute toxicity (LD ₅₀)	➤ 2.000 mg/kg rat		Test standard: OECD 401/EC B.1
Eye irritation	Yes	No x	Test standard: OECD 405/EC B.5
Skin irritation	Yes	No x	Test standard: OECD 404/EC B.4
Sensitization	Yes	No	Test standard: Not tested
Chronic toxicity			
Carcinogenicity (NOAEL)	mg/kg bw		Test standard: Not determined
Reprotoxicity (NOAEL)	mg/kg bw		Test standard: Not determined
Genotoxicity	Yes	No	Test standard: Not determined
Endocrine disruption	Yes	No	Method used: Not determined

ENVIRONMENT			
Degradation			
Half life in water (fresh or marine)		days	Test standard: not tested
Half life in sediment (fresh or marine)		days	Test standard: not tested
Half life in soil		days	Test standard: not tested
Readily biodegradable	Yes	No	Test standard: not tested

Inherently biodegradable	Yes No	Test standard : not tested
Sewage treatment removal	%	Test standard : not tested
Bioaccumulation		
BCF (log)		Species: Test standard: not tested
Log K _{ow}	-2.3	Test standard: OECD 107/EC A.8
Eco-toxicity		
Chronic toxicity for fish, NOEC		Species: . Test standard: not tested
Chronic toxicity for invertebrate, NOEC		Species: Test standard: not tested
Chronic toxicity for algae, NOEC		Species: Test standard: not tested
Physical properties		
Vapour pressure at 25 °C	< 8 Pa at 25 deg C	Test standard: OECD 104/EC A.4
Solubility in water at 25 °C	< 0.1 g/l at 22 deg C	Test standard: not specified
Soil Adsorption coefficient, K _{oc}	No data	Test standard:
Henry's law constant (atm-m ³ /mole)	No data	Test standard:
Hydrolysis (half life) in water	No data	Test standard:
RISK PHRASES		not classified
	Applies following Directive EC/67/548	Comments
R40	Yes No	
R42	Yes No	
R43	Yes No	
R45	Yes No	
R49	Yes No	
R50	Yes No	
R53	Yes No	