

## Human Health and Environmental Fact Sheet

<b>Product name</b>			MELAPUR MC 25		
<b>Synonyms</b>			MCA, Melamine-isocyanuric acid compd, Melamine-cyanuric acid compd, Melamine isocyanurate, Melamine cyanurate (1:1), 1,3,5-Triazine-2,4,6-triamine, compd. with 1,3,5-triazine-2,4,6(1H,3H,5H)-trione (1:1) (9CI)		
<b>CAS no.</b>			37640-57-6		
<b>Molecular Structure</b>					
<b>Mw</b>			255.2 g/mole		
<b>Mf</b>					
<b>Physical form</b>			powder		
<b>Use</b>			Flame retardant.		
<b>PBT/vPvB EVALUATION</b>					
	<b>Conclusion</b>		<b>Comments</b>		
Persistent or very Persistent	Yes	No x			
Bioaccumulative or very bioaccumulative	Yes	No			
Ecotoxicity	Yes	No x			
<b>HUMAN HEALTH</b>					
	<b>Result</b>		<b>Comments</b>		
<b>Acute toxicity</b>					
Acute toxicity (LD <sub>50</sub> )	> 4,000 mg/kg		Test standard: estimated		
Eye irritation	Yes	No x	Test standard: estimated		
Skin irritation	Yes	No x	Test standard: estimated		
Sensitization	Yes	No x	Test standard: Not specified		
<b>Chronic toxicity</b>					
Carcinogenicity (NOAEL)			Test standard:		
Reprotoxicity (NOAEL)	mg/kg bw		Test standard:		
Genotoxicity	Yes	No x	Test standard: Ames-test		
Endocrine disruption	Yes	No	Method used:		

<b>ENVIRONMENT</b>		
<b>Degradation</b>		
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 :
Inherently biodegradable	Yes x	No	Test standard : Not specified
Sewage treatment removal		%	Test standard :
<b>Bioaccumulation</b>			
BCF (log)	not determined		Species: Test standard:
Log K <sub>ow</sub>	< 0		Test standard: Not specified
<b>Eco-toxicity</b>			
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	mg/liter		Species: Test standard: not tested
<b>Physical properties</b>			
Vapour pressure at 25 °C			Test standard: not tested
Solubility in water at 25 °C	2.2 mg/liter at 22 °C		Test standard: Not specified
Soil Adsorption coefficient, K <sub>oc</sub>			Test standard: . not tested
Henry's law constant (atm-m <sup>3</sup> /mole)			Test standard: not tested
Hydrolysis (half life) in water	days		Test standard: not tested
<b>RISK PHRASES</b>		<b>not classified</b>	
	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	