

# Human Health and Environmental Fact Sheet

**Disclaimer:** The information presented in this fact sheet was compiled from information from flame retardants manufacturers and public data sources. The authors cannot be held liable for factual errors. For latest information on substance testing, classification and labelling as well as regulatory status please contact the individual manufacturers and refer to their latest safety data sheet applicable in your country or region.

<b>Product name</b>	<b>Budit 3141, Budit 3141 CA</b>	
<b>Synonyms</b>	Melamine Polyphosphate	
<b>CAS no.</b>	56386-64-2	
<b>Molecular Structure</b>		
<b>Mw</b>		
<b>Mf</b>	C3H6N6.(H3PO3)n	
<b>Physical form</b>	Solid (fine white powder)	
<b>Use</b>	Flame retardant for plastics, textiles and paints	
<b>PBT/vPvB EVALUATION</b>		
	<b>Conclusion</b>	<b>Comments</b>
Persistent or very Persistent	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Bioaccumulative or very bioaccumulative	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Ecotoxicity	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>HUMAN HEALTH</b>		
	<b>Result</b>	<b>Comments</b>
<b>Acute toxicity</b>		
Acute toxicity (LD <sub>50</sub> )	> 2000 mg/kg	Test standard: OECD 401
Eye irritation	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Test standard: OECD 405 (rabbit)
Skin irritation	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Test standard: OECD 404 (rabbit)
Sensitization / Potentially allergenic	Yes <input type="checkbox"/> No <input type="checkbox"/>	Test according to OECD 429 <input type="checkbox"/> or OECD 406 <input type="checkbox"/> .
Potentially mutagenic	Yes <input type="checkbox"/> No <input type="checkbox"/>	Test according to OECD 471
<b>Chronic toxicity</b>		
Carcinogenicity (NOAEL)	No data	Test standard:
Reprotoxicity (NOAEL)	No data	Test standard:
Genotoxicity	Yes <input type="checkbox"/> No <input type="checkbox"/>	Not tested for
Endocrine disruption	Yes <input type="checkbox"/> No <input type="checkbox"/>	Not tested for

<b>ENVIRONMENT</b>		
<b>Degradation</b>		
Half life in water (fresh or marine)	No data	Test standard:
Half life in sediment (fresh or marine)	No data	Test standard:
Half life in soil	No data	Test standard:
Readily biodegradable	16 %	Test standard: OECD 301 B
Inherently biodegradable	Yes <input type="checkbox"/> No <input type="checkbox"/>	Test standard: OECD 301
Sewage treatment removal	No data	Test standard:
<b>Bioaccumulation</b>		
BCF (log)	No data	Test standard:
Log K <sub>ow</sub>	No data	Test standard OECD 107
<b>Eco-toxicity</b>		
Chronic toxicity for fish, NOEC	No data	Test standard: OECD 203
Chronic toxicity for invertebrate, NOEC	No data	Test standard: OECD 202
Reprotox, invertebrate, NOEC	No data	Test standard: OECD 211
Chronic toxicity for algae, NOEC	No data	Test standard: EEC-Guideline 92/69 No. L383 C.3.
<b>Physical properties</b>		
Vapour pressure at 25 °C	not applicable (salt)	Test standard: OECD 104
Solubility in water at 25 °C	0,15 g/l	Test standard:
Soil Adsorption coefficient, K <sub>oc</sub>	No data	Test standard:
Henry's law constant (atm·m <sup>3</sup> /mole)	No data	Test standard:
Hydrolysis (half life) in water	No data	Test standard: OECD 111
<b>RISK PHRASES</b>		
		Comments
R1 – R67 (no risks known)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Even if there are no risks: Try to avoid contact with skin and eyes.

More information:

[www.budenheim.com](http://www.budenheim.com) (Budenheim Website)