

Declaration of conformity of TYTANPOL[®] pigments with legal regulations

Trade name: TYTANPOL[®]

Pigment manufacturer: Zakłady Chemiczne "POLICE" SA

Brands: TYTANPOL[®] R-001, TYTANPOL[®] R-002, TYTANPOL[®] R-003,
TYTANPOL[®] R-210, TYTANPOL[®] R-211, TYTANPOL[®] R-213,
TYTANPOL[®] R-310, TYTANPOL[®] RS, TYTANPOL[®] RD-5, TYTANPOL[®] A-
11

<i>Product identification</i>	<i>see MSDS *)</i>
<i>Transport regulations</i>	<i>see MSDS *)</i>
<i>General information regulations</i>	<i>see MSDS *)</i>
<i>European regulations</i>	
Type of regulation	Conformity (yes/no/not investigated)
EINECS regulations (<i>European Inventory of Existing Commercial Chemical Substances</i>) or ELINCS (<i>European List of New Chemical Substances</i>).	<i>Yes</i> <i>All components of TYTANPOL[®] pigments are listed in these documents</i>
European Directive 92/112/EC directly concerning production of TiO ₂ pigment.	<i>Yes</i>
European Directive 96/61/EC concerning integrated permit	<i>Yes</i>
European Directive 90/128/EEC with further amendments concerning materials and articles intended to come into contact with foodstuffs.	<i>Yes</i>
European Directive 94/62/EC concerning packaging and packaging waste in the scope of total content of heavy metals such as lead, cadmium, mercury and hexavalent chromium, lower than 100 ppm.	<i>Yes</i>
European Council Resolution AP (89) 1 concerning use of colorants for plastics intended to come into contact with foodstuffs.	<i>Yes</i>
European Directive 88/378/EEC concerning safety of toys.	<i>Yes</i>
Directive 2001/59/EC (28 th Amendment to Directive 67/548/EEC on hazardous substances) containing classification of chemical substances due to creation of risk to health and life	<i>Yes</i>
Directive 2002/72/EC (replacing Directive 90/128/EEC together with further amendments - concerning contact with food), containing a list of additives that may be	<i>Yes</i>

used for production of plastics coming into contact with food.	
Directive 2001/58/EC (2 nd Amendment to Directive 91/155/EEC) containing requirements for preparation characteristics cards.	Yes
Directive 98/24/EC concerning protection of health and safety of employees against risk related to chemical substances at work	Yes
Directive 2000/39/EC containing first exposure limits at workplace	Yes
European Community Eco-Label concerning ECO -label for paints of interior application (Commission Decision 1999/10/EC amended with Commission Decision 2002/739/EC). Requirements for ECO paints contained in that recent decision also contain requirements for TiO ₂ pigment. The maximum quantity of titanium dioxide pigment contained in paint may not exceed 38 g/m ² of dry coating with hiding power of 98%.	Yes
According to the Commission Decision 2002/739/EC emissions from production of TiO ₂ with sulphate process have been reduced to: <ul style="list-style-type: none"> ▪ 300 mg of SO_x (as SO₂) in the form of emission to the air and ▪ 20 g of sulphate wastes each time for obtaining of 1 m ² of dry coating ensuring 98 % of hiding power, tested according to ISO 6504/1. It results from the quantity of permissible emission per m ² of dry coating with the maximum content of 38 g of TiO ₂ in the coating that the maximum emission of SO ₂ into the atmosphere should not exceed 7.9 kg of SO ₂ /t of TiO ₂ , and sulphate wastes 526 kg/t of TiO ₂ .	Yes
According to the Commission Decision 2002/739/EC the TYTANPOL [®] pigments ensure 98% of hiding power according to ISO 6504/1 for maximum level of TiO ₂ pigment in paint up to 38 g/m ² of dry coating (the requirement does not apply to woodstains).	Yes
BgVV recommendation (Germany) - p.IX (01.06.1994) „Farbmittel zum Einfärben von Kunststoffen und anderen Polymeren für Bedarfsgegenstände“) concerning colouring agents for colouring of plastics and other polymers for the necessities.	Yes the TYTANPOL [®] A-11 brand has got the certificate of NATEC Institut (Germany)
RAL-UZ 102 requirements for Blue Angel mark (Germany)	Yes
Hazard class for water (Germany): WGK 0 (it is not hazardous for water)	Yes
<i>American regulations</i>	
TSCA regulations (<i>Toxic Substances Control Act</i>)	Yes All components of TYTANPOL [®] pigments are listed in the TSCA

		<i>Chemical List</i>
CONEG regulations (<i>Coalition of North-Eastern Governors</i>) in the scope of total content of heavy metals such as lead, cadmium, mercury and hexavalent chromium, lower than 100 ppm.		Yes
<i>NSF International regulations (National Sanitation Foundation)</i> concerning pigments designed for components of pipelines made of plastics and other related materials		Yes Two brands: <i>TYTANPOL® R-001</i> and <i>TYTANPOL® RS</i> have got the <i>NSF®14</i> certificate
<i>Requirements of ASTM F963-96A standard</i> concerning contents of heavy metals in pigments designed for colouring of toys for children		Yes
Regulations of <i>FDA Food & Drug Administration (certification of titanium dioxide is not required)</i>		
CFR (21) part 175.300 (resin and polymeric coatings)		Yes - without limits
CFR (21) part 176.170 (components of paper and cardboard intended to come into contact with wet and fatty food)		Yes - without limits
CFR (21) part 176.180 (components of paper and cardboard intended to come into contact with dry food)		Yes - without limits
CFR (21) all parts 177 (direct additives to food: polymers)		Yes - without limits
CFR (21) part 178.3297 (colorants for polymers)		Yes - without limits
CFR (21) part 73 (List of colouring additives excluded from certification)		Titanium dioxide is permitted
CFR (21) part 73.575 (food)	<i>All TYTANPOL® brands meet the requirements for contents of heavy metals</i> <i>The remaining requirements are met only by the TYTANPOL® brands of A-11 and RD-5</i>	
CFR (21) part 73.1575 (pharmaceuticals)		As above
CFR (21) part 73.1575 (cosmetics)		As above

* MSDS - Material Safety Data Sheet

We do hereby certify that the above mentioned information concerning TYTANPOL® pigments manufactured by our company are true and based on our knowledge and experience.