

First created on: 2013-12-11  
Next inspection on: 2015-12-31

Updated on: 2014-10-16  
Printed on: 2014-10-16

**Manufacturer / Supplier:**

Sigmund Lindner GmbH  
Oberwarmensteinacher Str. 38  
D-95485 Warmensteinach  
Phone: 09277-9940 Fax: 09277-99499  
Web: [www.sili.eu](http://www.sili.eu) E-Mail: [sili@sigmund-lindner.com](mailto:sili@sigmund-lindner.com)

Company Sigmund Lindner GmbH has established a Quality Management System according DIN EN ISO 9001 since 1997.

**Responsible:**

Erwin Pschierer, Product Manager Glitter  
Phone: 0049-9277-99483  
Fax: 0049-9277-99444  
E-Mail: [erwin.pschierer@sigmund-lindner.com](mailto:erwin.pschierer@sigmund-lindner.com)

**Application of product:** Raw material / additive for cosmetics

**Construction of the Article number:**

Material	Size		Colour	Form
25	20	—	51K-3	sq

**Cosmetic Glitter COSM-3 PU**

**Construction of Cosmetic Glitter:**



Pigment Coating by Polyurethane  
Aluminium Vaporisation  
Foil made of Polyethylene Terephthalate

**Chemical composition:**

Component	INCI Name	Weight	CAS-No.	EINECS	CI-No.	FDA/CFR
Polyurethane Coating	Polyurethane-11	2,5 - 3,2 %	68258-82-2	none	---	FDA Ref# 21 CFR 177.1680
Pigments						
FD&C Yellow 5	FD&C Yellow No. 5 Aluminium lake, CI 19140	belongs to Article; between 0 - 1,3 %	12225-21-7	235-428-9	19140:1	FDA Ref# 21 CFR 74.2705
DC Red 7	Red 7 lake, AKA 202, CI 15850		5281-04-9	226-109-5	15850:1	FDA Ref# 21 CFR 74.2307
Solvent Red 72	Orange 5, Daidai 201, Solvent Red 72		596-03-2	209-876-0	45370:1	FDA Ref# 21 CFR 74.2255
Pigment Blue 27	Ferric Ammonium Ferrocyanide, CI 77510		25869-00-5	247-304-1	77510	FDA Ref# 21 CFR 73.2299
Acid Yellow 3 / Food Yellow 13	Acid Yellow 3, Ki 203, CI 47005, Yellow 10		8004-92-0	none	47005	FDA Ref# 21 CFR 74.2710
Iron Oxide Red	Iron Oxides		1332-37-2	215-570-8	77491	FDA Ref# 21 CFR 73.2250
Acid Red 92	Acid Red 92, AKA 218, AKA 231, AKA 104(1), Red 28, CI 45410		18472-87-2	242-355-6	45410	FDA Ref# 21 CFR 74.2328
FD&C Red 40	Red 40, Curry Red, CI 16035		25956-17-6	247-368-0	16035	FDA Ref# 21 CFR 74.2340
Acid Violet 43	Acid Violet 43, CI 60730, Murasaki 401, External Violet 2	4430-18-6	224-618-7	60730	FDA Ref# 21 CFR 74.2602	
Carbon Black	Black 2, CI 77266	1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052	
Aluminium powder *)	Aluminium powder, CI 77000, Aluminium	0 - 0,1 %	7429-90-5	231-072-3	77000	FDA Ref# 21 CFR 73.2645
Polyethylene Terephthalate	Polyethylene Terephthalate	95,4-97,5 %	25038-59-9	none	---	FDA Ref# 21 CFR 177.1310

\*) 0 % Aluminium: Colours 30EK-3, 81EK-3, 94K-3, 102K-3

**Available sizes:**

Size particle		Gauge / thickness			Form		
		0,013mm 0.0005"	0,025mm 0.0010"	0,050mm 0.0020"	■ sq	● hex	■ rec
0,10 x 0,05 mm	0.004 x 0.002"	Art 2525	Art. 25251			X	
0,20 x 0,10 mm	0.008 x 0.004"	Art 2515	Art. 25151			X	
0,90 x 0,10 mm	0.035 x 0.004"		Art. 2516			X	
0,90 x 0,20 mm	0.035 x 0.008"		Art. 25165			X	
1,60 x 0,15 mm	0.062 x 0.006"		Art. 2513			X	
1,60 x 0,30 mm	0.062 x 0.0125"		Art. 2517			X	
1,60 x 0,40 mm	0.062 x 0.015"		Art. 25135			X	
3,10 x 0,20 mm	0.125 x 0.008"		Art. 2514			X	
3,10 x 0,30 mm	0.125 x 0.0125"		Art. 2518			X	
3,10 x 1,60 mm	0.125 x 0.062"		Art. 25175			X	
0,10 mm	0.004" hex/sq	Art 2520	Art. 25201	X	X		
0,15 mm	0.006" hex/sq		Art. 2519	X	X		
0,20 mm	0.008" hex		Art. 2510		X		
0,40 mm	0.015" hex		Art. 2501		X		
0,50 mm	0.020" hex		Art. 25025		X		
0,60 mm	0.025" hex		Art. 2502		X		
1,00 mm	0.040" hex		Art. 2504		X		
1,60 mm	0.062" hex		Art. 2508		X		
2,50 mm	0.094" hex		Art. 2509		X		
3,00 mm	0.125" hex		Art. 25095		X		
2,00 mm	0.080"		Art. 259020			diamonds	
3,00 mm	0.125"			Art. 254030		hearts	
3,00 mm	0.125"			Art. 255030		stars	
3,00 mm	0.125"			Art. 256030		dots	
4,00 mm	0.125"			Art. 258040		daisies	
0,40 / 1,00 mm	0.015" / 0.040" hex		Art. 250401			Glitter-Mix	

**Colours / Pigments:**

Colour		CI-Number			
02K-3	sand	77000	15850:1	19140:1	77266
05K-3	medium violet	77000	15850:1	77510	
06K-3	poodle pink	77000	45370:1		
08K-3	turquoise	77000	19140:1	77510	
08K-3-SMIX	turquoise	77000	19140:1	77510	
15K-3 <sup>1)</sup>	sea-green	77000	47005		
17K-3	blue teal	77000	77510	19140:1	
21K-3	river green	77000	19140:1	77510	
29K-3	light pink	77000	45410		
30EK-3	neon pink	45410			
32K-3	gunmetal	77000	60730		
32AK-3	gunmetal hologram	77000	60730		
35K-3	amethyst	77000	15850:1	77510	
36K-3	pink	77000	15850:1		
36AK-3	pink hologram	77000	15850:1		
38K-3	dusty rose	77000	15850:1	19140:1	
40K-3	dark gold	77000	15850:1	19140:1	
41AK-3	light lavender hologram	77000	15850:1		
43K-3	sahara	77000	15850:1	19140:1	
44K-3	crimson pink	77000	15850:1		

<sup>1)</sup> CI 47005, Yellow 10 is not allowed for cosmetics in EU

Colour		CI-Number				
47K-3	lavender	77000	15850:1	77510		
47AK-MIX	lavender hologram	77000	15850:1	77510		
51K-3	gold	77000	19140:1			
51AK-3	gold hologram	77000	19140:1	15850:1		
51AK-MIX	gold mix	77000	19140:1			
52K-3	red	77000	15850:1	19140:1		
54K-3	blue	77000	77510			
55K-3	aqua	77000	19140:1	77510		
56K-3	purple	77000	15850:1	77510		
56K-MIX 1)	light purple mix	77000	47005	45410	15850:1	77510
56K-SMIX	purple	77000	15850:1	77510		
56AK-3	purple hologram	77000	15850:1	77510		
57K-3	fuchsia	77000	19140:1	77510	15850:1	
57K-MIX	fuchsia mix	77000	19140:1	77510	15850:1	
58K-3	black	77000	77266			
58AK-3	black hologram	77000	77266			
58AK-MIX	black hologram mix	77000	77266			
59K-3	copper	77000	15850:1	19140:1		
59K-MIX	rose	77000	15850:1	19140:1		
61K-3	lime green	77000	19140:1	77510		
62K-3	light blue	77000	19140:1	77510		
67K-3	multi	77000	19140:1	77510	16035	
67K-SMIX	multi	77000	19140:1	77510	16035	
81EK-3 1)	neon yellow	47005				
84K-3	jade	77000	19140:1	77510		
89K-3	cinnamom	77000	15850:1	19140:1	77266	
90K-3	crimson	77000	15850:1			
94K-3	mandarin	45370:1				
102K-3	plum	60730				
111K-3	yellow gold	77000	15850:1	19140:1		
112K-3	deep gold	77000	15850:1	19140:1		
118K-3	pale gold	77000	19140:1	77491		
130K-3	deep blackgold	77000	15850:1	19140:1	77266	
132K-3	platin	77000	15850:1	77510	77266	
132AK-3	gunmetal hologram	77000	15850:1	77510	77266	
258-3	green black iridescent	77000	19140:1	77510	77266	
404K-3	bronze	77000	16035	19140:1		
438K-3	dusty rose	77000	16035	19140:1		
440K-3	dark gold	77000	16035	19140:1		
440K-SMIX	chit chat gold	77000	16035	19140:1		
443K-3	sahara	77000	16035	19140:1		
443AK-3	sahara hologram	77000	16035	19140:1		
447AK-MIX	lavender hologram	77000	16035	77510		
447K-3	lavender	77000	16035	77510		
452K-3	red	77000	16035	19140:1		
452AK-3	red hologram	77000	16035	19140:1		
457K-3	fuchsia	77000	16035	19140:1	77510	
457K-MIX	fuchsia	77000	16035	19140:1	77510	15850:1
457K-SMIX	fuchsia	77000	16035	19140:1	77510	
458-3	purple black iridescent	77000	15850:1	77510	77266	
489K-3	cinnamom	77000	16035	19140:1	77266	
490K-3	crimson	77000	16035	19140:1		
490K-SMIX	crimson	77000	16035	19140:1		
4112K-3	deep gold	77000	16035	19140:1		

<sup>1)</sup> CI 47005, Yellow 10 is not allowed for cosmetics in EU

**Colouring agents allowed for use in cosmetic products**

EU-Verordnung über kosmetische Mittel; Anlage 3; Teil A / EU-Cosmetic Legislation; Annex IV; Part 1 /EU Directive 76/768/EEC

**Field of application**

Column 1	All materials which do not content any colouring agents (pigments).
Column 1	Colouring agents allowed in all cosmetic products.
Column 2	Colouring agents allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.
Column 3	Colouring agents allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes.
Column 4	Colouring agents allowed exclusively in cosmetic products intended to come into contact briefly with the skin.

**Technical data:**Specific weight: 1,38 kg/dm<sup>3</sup>Bulk density: between 0,25 and 0,60 kg/dm<sup>3</sup> - depending on particle size**Resistance:**

Medium	Condition	Result
Temperature	up to 175°C	resistant
Isopropanol (25%)	15 min.	partial resistant *)
Isopropanol (70%)	15 min.	partial resistant *)
Demineralized H <sub>2</sub> O	3 months	resistant

\*) depending on used Pigments

## Cosmetic Glitter Cosmetic Iris Mix

### Chemical composition:

Component	INCI Name	Weight	CAS-No.	EINECS	CI-No.	FDA/CFR
Polyurethane Coating	Polyurethane-11	1 - 2 %	68258-82-2	none	---	FDA Ref# 21 CFR 177.1680
Pigments						
FD&C Yellow 5	FD&C Yellow No. 5 Aluminium lake, CI 19140,	belongs to Article; between 0,2 - 1,0 %	12225-21-7	235-428-9	19140:1	FDA Ref# 21 CFR 74.2705
DC Red 7	Red 7 lake, AKA 202, CI 15850		5281-04-9	226-109-5	15850:1	FDA Ref# 21 CFR 74.2307
Solvent Red 72	Orange 5, Daidai 201, Solvent Red 72		596-03-2	209-876-0	45370:1	FDA Ref# 21 CFR 74.2255
Pigment Blue 27	Ferric Ammonium Ferrocyanide, CI 77510		25869-00-5	247-304-1	77510	FDA Ref# 21 CFR 73.2299
Acid Yellow 3 / Food Yellow 13	Acid Yellow 3, Ki 203, CI 47005, Yellow 10		8004-92-0	none	47005	FDA Ref# 21 CFR 74.2710
Iron Oxide Red	Iron Oxides		1332-37-2	215-570-8	77491	FDA Ref# 21 CFR 73.2250
Acid Red 92	Acid Red 92, AKA 218, AKA 231, AKA 104(1), Red 28, CI 45410		18472-87-2	242-355-6	45410	FDA Ref# 21 CFR 74.2328
FD&C Red 40	Red 40, Curry Red, CI 16035		25956-17-6	247-368-0	16035	FDA Ref# 21 CFR 74.2340
Acid Violet 43	Acid Violet 43, CI 60730, Murasaki 401, External Violet 2		4430-18-6	224-618-7	60730	FDA Ref# 21 CFR 74.2602
Carbon Black	Black 2, CI 77266		1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052
Aluminium powder *)	Aluminium powder, CI 77000, Aluminium	< 0,1 %	7429-90-5	231-072-3	77000	FDA Ref# 21 CFR 73.2645
Polyethylene Terephthalate	Polyethylene Terephthalate	40 - 80 %	25038-59-9	none	---	FDA Ref# 21 CFR 177.1310
Polybutylene Terephthalate	Polybutylene Terephthalate	10 - 40 %	26062-94-2	none	---	FDA Ref# 21 CFR 177.1660
Acrylates Copolymer	Acrylates Copolymer	5 - 12 %	25035-69-2	none	---	FDA Ref# 21 CFR 177.1010
Ethylene Vinyl Acetate Copolymer	Ethylene / VA Copolymer	5 - 12 %	24937-78-8	none	---	FDA Ref# 21 CFR 177.1350

**Available sizes:**

Size particle		Gauge / thickness		Form		
		0,025 mm - 0,050 mm 0.0010" - 0.0020"	0,035 mm - 0,050 mm 0.0014" - 0.0020"	■ sq	⬡ hex	▭ rec
0,10 x 0,05 mm	0.004 x 0.002"	Art. 25251				X
0,20 x 0,10 mm	0.008 x 0.004"	Art. 25151				X
0,90 x 0,10 mm	0.035 x 0.004"	Art. 2516				X
1,60 x 0,30 mm	0.062 x 0.0125"	Art. 2517				X
3,10 x 0,20 mm	0.125 x 0.008"	Art. 2514				X
3,10 x 0,30 mm	0.125 x 0.0125"	Art. 2518				X
0,10 mm	0.004" hex/sq	Art. 25201		X	X	
0,15 mm	0.006" hex/sq	Art. 2519		X	X	
0,20 mm	0.008" hex	Art. 2510			X	
0,40 mm	0.015" hex	Art. 2501			X	
0,50 mm	0.020" hex	Art. 25025			X	
0,60 mm	0.025" hex	Art. 2502			X	
1,00 mm	0.040" hex	Art. 2504			X	
1,60 mm	0.062" hex	Art. 2508			X	
2,50 mm	0.094" hex	Art. 2509			X	
3,00 mm	0.125" hex	Art. 25095			X	
2,00 mm	0.080"	Art. 259020				diamonds
3,00 mm	0.125"		Art. 254030			hearts
3,00 mm	0.125"		Art. 255030			stars
3,00 mm	0.125"		Art. 256030			dots
4,00 mm	0.125"		Art. 258040			daisies

**Colours / Pigments:**

Colour		CI-Number			
05K-IMIX	sky-blue iridescent	77000	15850:1	77510	19140:1
06AK-IMIX	old rose iridescent	77000	45370:1		
15K-IMIX <sup>1)</sup>	sea-green iridescent	77000	47005		
29K-IMIX	light pink iridescent	77000	45410		
29K00-IMIX	pink iridescent	77000	45410		
29K-94K-IMIX	korall iridescent	77000	45370:1	45410	
30EK-IMIX	neon pink iridescent	45410			
36K-112K-IMIX	rosegold iridescent	77000	15850:1	19140:1	
36K-4112K-IMIX	rosegold iridescent	77000	15850:1	19140:1	16035
44K-IMIX	salmon pink	77000	15850:1	45370:1	
44AK-IMIX	salmon pink iridescent	77000	15850:1	19140:1	
47AK-IMIX	lavender light iridescent	77000	15850:1	77510	
49K-IMIX	maize iridescent	77000	19140:1	77510	
50A-IMIX	silver hologram iridescent	77000			
54K-50-IMIX	blue silver iridescent	77000	77510		
55K-IMIX	aqua iridescent	77000	19140:1	77510	
56K-IMIX	purple iridescent	77000	15850:1	77510	
58-IMIX	black iridescent	77000	77266		
58-IMIX-2	black iridescent S 300	77000	77266		
58-55K-IMIX	darkgreen iridescent	77000	77266	19140:1	77510
62K-IMIX	blue iridescent	77000	19140:1	77510	
81EK-IMIX <sup>1)</sup>	neon yellow iridescent	47005			
90K-IMIX	crimson iridescent	77000	15850:1		
94EK-IMIX	neonorange iridescent	45370:1			
102K-IMIX	plum iridescent	77000	60730	19140:1	77510
112K-IMIX	deep gold iridescent	77000	15850:1	19140:1	
133K-IMIX <sup>1)</sup>	brick-red iridescent	77000	15850:1	19140:1	47005

<sup>1)</sup> CI 47005, Yellow 10 is not allowed for cosmetics in EU

Colour		CI-Number			
258-3	green black iridescent	77000	19140:1	77510	77266
438K-IMIX	salmon pink	77000	16035	19140:1	
438K-4112K-IMIX	rose gold iridescent	77000	16035	19140:1	
444AK-IMIX	salmon pink iridescent	77000	15850:1	16035	19140:1
447AK-IMIX	lavender light	77000	15850:1	16035	77510
447AK-IMIX-2	lavender light iridescent	77000	16035	77510	
458-3	purple black iridescent	77000	15850:1	77510	77266
<b>Glitter-/Motivmix</b>					
Art. 25803-58-IMIX	black iridescent	77000	15850:1	77510	77266
Art. 25804-57K-MIX	Motivmix fuchsia	77000	19140:1	77510	15850
Art. 25805-51K-MIX	Motivmix gold	77000	15850:1	19140:1	
Art. 25806-47K-MIX	Motivmix lavender	77000	15850:1	77510	
Art. 25807-96K-MIX	Motivmix blue	77000	77510		
Art. 25811-41K-IMIX <sup>1)</sup>	light lavender iridescent	77000	60730	47005	45410

<sup>1)</sup> CI 47005, Yellow 10 is not allowed for cosmetics in EU

**Colouring agents allowed for use in cosmetic products**

EU-Verordnung über kosmetische Mittel; Anlage 3; Teil A / EU-Cosmetic Legislation; Annex IV; Part 1 / EU Directive 76/768/EEC

**Field of application**

Column 1	All materials which do not content any colouring agents (pigments).
Column 1	Colouring agents allowed in all cosmetic products.
Column 2	Colouring agents allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.
Column 3	Colouring agents allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes.
Column 4	Colouring agents allowed exclusively in cosmetic products intended to come into contact briefly with the skin.

**Technical data:**

Specific weight: 1,38 kg/dm<sup>3</sup>

Bulk density: between 0,25 and 0,60 kg/dm<sup>3</sup> - depending on particle size

**Resistance:**

Medium	Condition	Result
Temperature	up to 150°C	resistant
Isopropanol (25%)	15 min.	partial resistant <sup>*)</sup>
Isopropanol (70%)	15 min.	partial resistant <sup>*)</sup>
Demineralized H <sub>2</sub> O	3 months	resistant

<sup>\*)</sup> depending on used Pigments



## Polyester Glitter Grade I Poly-3 PU

### Construction of Cosmetic Glitter:

	Pigment Coating by Polyurethane
	Aluminium Vaporisation
	Foil made of Polyethylene Terephthalate

### Chemical composition:

Component	INCI Name	Weight	CAS-No.	EINECS	CI-No.	FDA/CFR
Polyurethane Coating	Polyurethane-11	2,5 - 3,2 %	68258-82-2	none	---	FDA Ref# 21 CFR 177.1680
Pigments						
Red 122	CI 73915	belongs to Article; between 0 - 1,3 %	980-26-7	213-561-3	73915	---
Yellow 83	CI 21108		5567-15-7	226-939-8	21108	---
Blue 15	Pigment Blue 15, CI 74160, Ao404		147-14-8	205-685-1	74160	---
Green 7	Pigment Green 7, CI 74260		1328-53-6	215-524-7	74260	---
Titanium Dioxide	Titanium Dioxide, CI 77891		13463-67-7	236-675-5	77891	---
Carbon Black	Carbon Black, CI 77266		1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052
Aluminium	Aluminium powder, CI 77000, Aluminium	0,1 %	7429-90-5	231-072-3	77000	FDA Ref# 21 CFR 73.2645
Polyethylene Terephthalate	Polyethylene Terephthalate	95,4-97,4 %	25038-59-9	none	---	FDA Ref# 21 CFR 177.1310

### Available sizes:

Size particle		Gauge / thickness			Form		
		0,013mm 0.0005"	0,025mm 0.0010"	0,075mm 0.0030"	■ sq	● hex	■ rec
0,075 x 0,05 mm	0.003 x 0.002"	Art 2529					X
0,10 x 0,05 mm	0.004 x 0.002"	Art 2525	Art. 25251				X
0,20 x 0,10 mm	0.008 x 0.004"	Art 2515	Art. 25151				X
0,90 x 0,10 mm	0.035 x 0.004"		Art. 2516				X
1,60 x 0,30 mm	0.062 x 0.0125"		Art. 2517				X
3,10 x 0,20 mm	0.125 x 0.008"		Art. 2514				X
3,10 x 0,30 mm	0.125 x 0.0125"		Art. 2518				X
0,10 mm	0.004" hex/sq	Art. 2520	Art. 25201		X	X	
0,15 mm	0.006" hex/sq		Art. 2519		X	X	
0,20 mm	0.008" hex		Art. 2510			X	
0,40 mm	0.015" hex		Art. 2501			X	
0,50 mm	0.020" hex		Art. 25025			X	
0,60 mm	0.025" hex		Art. 2502			X	
0,80 mm	0.032" hex		Art. 2503			X	
1,00 mm	0.040" hex		Art. 2504			X	
1,60 mm	0.062" hex		Art. 2508			X	
2,50 mm	0.094" hex		Art. 2509			X	
3,00 mm	0.125" hex		Art. 25095			X	
2,00 mm	0.080"		Art. 259020				diamonds
3,00 mm	0.125"			Art. 254030			hearts
3,00 mm	0.125"			Art. 255030			stars
3,00 mm	0.125"			Art. 256030			dots
4,00 mm	0.125"			Art. 258040			daisies
0,40 / 1,00 mm	0.015" / 0.040" hex		Art. 250401				Glitter-Mix



**Colours / Pigments:**

Colour		CI-Number		
04-3	bronze	77000	73915	21108
22-3	moos green	77000	21108	74260
23-3	apple red	77000	73915	74160
31-3	blue gunmetal	77000	74160	77266
32-3	gunmetal	77000	74160	77266
50-3	silver	77000		
50-SMIX	silver	77000		
51-3	gold	77000	73915	21108
52-3	red	77000	73915	21108
53-3	green	77000	21108	74160
54-3	blue	77000	74160	
55-3	aqua	77000	74260	74160
66-3*)	white	77891		

\*) contains 5% CI77891 and 16 % Barium sulfate – CAS 7727-43-7. Barium sulfate is not used as a color pigment.

**Colouring agents allowed for use in cosmetic products**

EU-Verordnung über kosmetische Mittel; Anlage 3; Teil A / EU-Cosmetic Legislation; Annex IV; Part 1 / EU Directive 76/768/EEC

**Field of application**

Column 1	All materials which do not content any colouring agents (pigments).
Column 1	Colouring agents allowed in all cosmetic products.
Column 2	Colouring agents allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.
Column 3	Colouring agents allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes.
Column 4	Colouring agents allowed exclusively in cosmetic products intended to come into contact briefly with the skin.

**Technical data:**

Specific weight: 1,38 kg/dm<sup>3</sup>

Bulk density: between 0,25 and 0,60 kg/dm<sup>3</sup> - depending on particle size

**Resistance:**

Medium	Condition	Result
Temperature	up to 175°C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H <sub>2</sub> O	3 months	resistant

## Polyester Glitter Grade I Holo-3 PU

### Construction of Cosmetic Glitter:



Pigment Coating by Polyurethane  
Aluminium Vaporisation  
Foil made of Polyethylene Terephthalate

### Chemical composition:

Component	INCI Name	Weight	CAS-No.	EINECS	CI-No.	FDA/CFR
Polyurethane Coating	Polyurethane-11	2,5 - 3,2 %	68258-82-2	none	---	FDA Ref# 21 CFR 177.1680
Pigments						
Red 122	CI 73915	belongs to Article; between 0 - 1,3 %	980-26-7	213-561-3	73915	---
Yellow 83	CI 21108		5567-15-7	226-939-8	21108	---
Blue 15	Pigment Blue 15, CI 74160, Ao404		147-14-8	205-685-1	74160	---
Green 7	Pigment Green 7, CI 74260		1328-53-6	215-524-7	74260	---
Titanium Dioxide	Titanium Dioxide, CI 77891		13463-67-7	236-675-5	77891	---
Carbon Black	Carbon Black, CI 77266		1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052
Aluminium	Aluminium powder, CI 77000, Aluminium	0,1 %	7429-90-5	231-072-3	77000	FDA Ref# 21 CFR 73.2645
Polyethylene Terephthalate	Polyethylene Terephthalate	95,4-97,4 %	25038-59-9	none	---	FDA Ref# 21 CFR 177.1310

### Available sizes:

Size particle		Gauge / thickness		Form		
		0,025 mm 0.0010"	0,050 mm 0.0020"	■ sq	⬡ hex	▭ rec
0,075 x 0,05 mm	0.003 x 0.002"	Art. 2529 *)				X
0,10 x 0,05 mm	0.004 x 0.002"	Art. 2525	Art. 25251			X
0,20 x 0,10 mm	0.008 x 0.004"	Art. 2515	Art. 25151			X
0,90 x 0,10 mm	0.035 x 0.004"		Art. 2516			X
1,60 x 0,30 mm	0.062 x 0.0125"		Art. 2517			X
3,10 x 0,20 mm	0.125 x 0.008"		Art. 2514			X
3,10 x 0,30 mm	0.125 x 0.0125"		Art. 2518			X
0,075 mm	0.003" sq.	Art. 2527 *)		X		
0,10 mm	0.004" hex/sq	Art. 2520		X	X	
0,15 mm	0.006" hex/sq		Art. 2519	X	X	
0,20 mm	0.008" hex		Art. 2510		X	
0,40 mm	0.015" hex		Art. 2501		X	
0,50 mm	0.020" hex		Art. 25025		X	
0,60 mm	0.025" hex		Art. 2502		X	
0,80 mm	0.032" hex		Art. 2503		X	
1,00 mm	0.040" hex		Art. 2504		X	
1,60 mm	0.062" hex		Art. 2508		X	
2,50 mm	0.094" hex		Art. 2509		X	
3,00 mm	0.125" hex		Art. 25095		X	
random			Art. 2550	unregular		
2,00 mm	0.080"		Art. 259020	diamonds		
3,00 mm	0.125"		Art. 254030	hearts		
3,00 mm	0.125"		Art. 255030	stars		
3,00 mm	0.125"		Art. 256030	dots		
4,00 mm	0.125"		Art. 258040	daisies		
0,40 / 1,00 mm	0.015" / 0.040" hex		Art. 250401	Glitter-Mix		

\*) only available in 50A (silver) and 51A (gold)

**Colours / Pigments:**

Colour		CI-Number		
32A-3	Hologram gunmetal	77000	74160	77266
36A-3	Hologram rose	77000	73915	
47A-3	Hologram lavender	77000	51319	
50A-3	Hologram silver	77000		
51A-3	Hologram gold	77000	73915	21108
52A-3	Hologram red	77000	73915	21108
55A-3	Hologram aqua	77000	74260	74160
59A-3	Hologram copper	77000	73915	21108
62A-3	Hologram light blue	77000	74160	74260
62A-SMIX	Hologram light blue	77000	74160	74260
78A-3	Hologram orange	77000	73915	21108

**Colouring agents allowed for use in cosmetic products**

EU-Verordnung über kosmetische Mittel; Anlage 3; Teil A / EU-Cosmetic Legislation; Annex IV; Part 1 / EU Directive 76/768/EEC

**Field of application**

Column 1	All materials which do not content any colouring agents (pigments).
Column 1	Colouring agents allowed in all cosmetic products.
Column 2	Colouring agents allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover.
Column 3	Colouring agents allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes.
Column 4	Colouring agents allowed exclusively in cosmetic products intended to come into contact briefly with the skin.

**Technical data:**

Specific weight: 1,38 kg/dm<sup>3</sup>

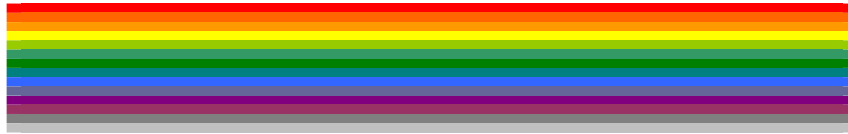
Bulk density: between 0,25 and 0,60 kg/dm<sup>3</sup> - depending on particle size

**Resistance:**

Medium	Condition	Result
Temperature	up to 175°C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H <sub>2</sub> O	3 months	resistant

## Polyester Glitter Grade I Iris 400-3

### Construction of Cosmetic Glitter:



Particle is made from up to 120 individual foils

### Chemical composition:

Component	INCI Name	Weight	CAS-Number	EINECS	FDA/CFR
Polybutylene Terephthalate	Polybutylene Terephthalate	60 %	26062-94-2	none	FDA Ref# 21 CFR 177.1660
Acrylates Copolymer	Acrylates Copolymer	20 %	25035-69-2	none	FDA Ref# 21 CFR 177.1010
Ethylene Vinyl Acetate Copolymer	Ethylene / VA Copolymer	20 %	24937-78-8	none	FDA Ref# 21 CFR 177.1350

### Available sizes:

Size particle		Gauge / thickness					Form		
		0,035 mm 0.0014"	0,033 mm 0.0013"	0,030 mm 0.0012"	0,028 mm 0.0011"	0,028-0,035 mm 0.0011-0.0014"	■ sq	● hex	■ rec
0,10 x 0,05 mm	0.004 x 0.002"	2525-421-3	2525-422-3	2525-423-3	2525-424-3	2525-400-3			X
0,20 x 0,10 mm	0.008 x 0.004"	2515-421-3	2515-422-3	2515-423-3	2515-424-3	2515-400-3			X
0,90 x 0,10 mm	0.035 x 0.004"	2516-421-3	2516-422-3	2516-423-3	2516-424-3	2516-400-3			X
1,60 x 0,30 mm	0.062 x 0.0125"	2517-421-3	2517-422-3	2517-423-3	2517-424-3	2517-400-3			X
3,10 x 0,20 mm	0.125 x 0.008"	2514-421-3	2514-422-3	2514-423-3	2514-424-3	2514-400-3			X
3,10 x 0,30 mm	0.125 x 0.0125"	2518-421-3	2518-422-3	2518-423-3	2518-424-3	2518-400-3			X
0,10 mm	0.004" hex/sq	2520-421-3	2520-422-3	2520-423-3	2520-424-3	2520-400-3	X	X	
0,15 mm	0.006" hex/sq	2519-421-3	2519-422-3	2519-423-3	2519-424-3	2519-400-3	X	X	
0,20 mm	0.008" hex	2510-421-3	2510-422-3	2510-423-3	2510-424-3	2510-400-3		X	
0,40 mm	0.015" hex	2501-421-3	2501-422-3	2501-423-3	2501-424-3	2501-400-3		X	
0,50 mm	0.020" hex	25025-421-3	25025-422-3	25025-423-3	25025-424-3	25025-400-3		X	
0,60 mm	0.025" hex	2502-421-3	2502-422-3	2502-423-3	2502-424-3	2502-400-3		X	
0,80 mm	0.032" hex	2503-421-3	2503-422-3	2503-423-3	2503-424-3	2503-400-3		X	
1,00 mm	0.040" hex	2504-421-3	2504-422-3	2504-423-3	2504-424-3	2504-400-3		X	
1,60 mm	0.062" hex	2508-421-3	2508-422-3	2508-423-3	2508-424-3	2508-400-3		X	
2,50 mm	0.094" hex	2509-421-3	2509-422-3	2509-423-3	2509-424-3	2509-400-3		X	
3,00 mm	0.125" hex	25095-421-3	25095-422-3	25095-423-3	25095-424-3	25095-400-3		X	

### Colours:

Colours	
421-3	iris-copper/red
422-3	iris-red/green
423-3	iris-blue/green
424-3	iris-violet
400-3	iris-multi (mixture of: 421-424)

### Colouring agents allowed for use in cosmetic products

EU-Verordnung über kosmetische Mittel; Anlage 3; Teil A / EU-Cosmetic Legislation; Annex IV; Part 1 / EU Directive 76/768/EEC

### Field of application

Column 1 All materials which do not content any colouring agents (pigments).

First created on: 2013-12-11  
Next inspection on: 2015-12-31Updated on: 2014-10-16  
Printed on: 2014-10-16**Technical data:**Specific weight: 1,20 kg/dm<sup>3</sup>  
Bulk density: between 0,25 and 0,75 kg/dm<sup>3</sup> - depending on particle size**Resistance:**

Medium	Condition	Result
Temperature	up to 150 °C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H <sub>2</sub> O	3 months	resistant

**General information****Cosmetic applications of pigments in the USA:**

Pigment	CI #	US rules
Acid Violet 43	60730	use as colorant in hair dyes
Acid Red 92	45410	use as colorant in hair dyes, cosmetics, pharmaceuticals, biological stain, sensitizer for photooxidation used in wastewater disinfection and detoxification
Solvent Red 72	45370	use as colorant in lipsticks, external pharmaceuticals, ingested mouthwashes & dentifrices, hair dyes and dye for wool & silk
Acid Yellow #3	47005	use as colorant in cosmetics, hair dyes, pharmaceuticals, foods & dye for wool, silk & nylon
DC Red # 7	15850	use as colorant in cosmetics, pharmaceuticals, colorant for cheese rind, food-contact polymers, topical antiseptic
FD&C Yellow # 5	19140	use as colorant in cosmetics (eye use), foods, pharmaceuticals (oral & topicals), dye for polyamide fibres
Blue 27	77510	use as colorant in cosmetics (eye use) & toiletries, external pharmaceuticals
Iron Oxide Red	77491	use as colorant in cosmetics & toiletries, foods, feed, ingested pharmaceuticals & drugs, contact lenses, food-grade polymers
FD&C Red #40	16035	use as colorant in foods, beverages, cosmetics, pharmaceuticals & eye use
Carbon Black	77266	listed in CTFA as colorant in cosmetics
Aluminium powder	77000	use as colorant in cosmetics & external pharmaceuticals
Red 122	73915	use as colorant in artists colors, hair dyes, food contact-polymers & textile inks
Yellow 83	21108	---
Blue 15	74160	use as colorant in hair dyes, processing aid in latex foams, pharmaceutical topics & food contact-polymers
Green 7	74260	use as colorant in food contact polymers, contact lenses, hair dyes
Titanium Dioxide	77891	use as colorant in cosmetics (lipsticks, nail enamels, face powds, eye makeup, rouge), sunscreen agent, foods, pharmaceuticals (tablets & eye use), contact lenses & antiperspirant
Violet 23	51319	use as colorant in hair dyes & contact lenses

**Storage indication:** Store in a dry manner in closed (original) container by room temperature.  
We recommend storage life of maximum 2 years.

**Disposal information:** There is no type of waste that occurs due to the product that requires special supervision according to the German "Closed Substance Waste Management Act" or the 91/689/EEC and 2006/12/EC guidelines.

**Further information:** Sample card Cosmetic Glitter  
Safety Data Sheet Cosmetic Glitter  
Test Reports

All listed Cosmetic Glitters are examined for restricted substances in accordance to the European Cosmetic Regulation (76/768/EEC) and under the premise that they are allowed for use in cosmetics. The company who put the cosmetic product under its own label or name on the market has to apply for the permission of the product.

We principle recommend to make a trial test before starting production.

Data are reference values!