

First created on: 2013-12-11  
Next inspection on: 2018-12-31

Updated on: 2017-11-29  
Printed on: 2017-11-29

**Manufacturer / Supplier:**

Sigmund Lindner GmbH  
Oberwarmensteinacher Str. 38  
95485 Warmensteinach / GERMANY  
Phone: +49-9277-9940 Web: [www.sili.eu](http://www.sili.eu)  
Fax: +49-9277-99499 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: +49-9277-99483  
Fax: +49-9277-99489  
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 USA, EU, Japan	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
FD&C Yellow 5	D&C Yellow No. 5--Aluminum Lake, CI 19140, Ki4	belongs to Article; between 0 - 1,3 %	12225-21-7	235-428-9	19140:1	FDA Ref# 21 CFR 74.2705
DC Red 7	D&C Red No. 7--Calcium Lake, CI 15850, Aka 202		5281-04-9	226-109-5	15850:1	FDA Ref# 21 CFR 74.2307
Acid Red 87	D&C Red No. 22, CI 45380, Aka 203(1)		17372-87-1	241-409-6	45380	FDA Ref# 21 CFR 73.2322
Pigment Blue 27	Ferric Ammonium Ferrocyanide, CI 77510, Ferric Ferrocyanide		25869-00-5	247-304-1	77510	FDA Ref# 21 CFR 73.2298
Acid Yellow 3 / Food Yellow 13	D&C Yellow No. 10, ---, Ki 203		8004-92-0	none	47005	FDA Ref# 21 CFR 74.2710
Iron Oxide Red	Iron Oxides, CI 77491, Red Oxide of Iron		1332-37-2	215-570-8	77491	FDA Ref# 21 CFR 73.2250
Acid Red 92	D&C Red No. 28, CI45410, Aka 104(1)		18472-87-2	242-355-6	45410	FDA Ref# 21 CFR 74.2328
FD&C Red 40	D&C Red No. 40--Aluminum Lake, CI 16035, ---		25956-17-6	247-368-0	16035	FDA Ref# 21 CFR 74.2340
Carbon Black	D&C Black No. 2, CI 77266, Carbon Black		1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052
Aluminum *)	Aluminum powder, CI 77000, Aluminum powder	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 % Aluminum: Colours 33EK-3 and 33EK-IMIX

**Available sizes:**

Size particle		Gauge / thickness			Shape		
		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	
approx. 0,90 mm	approx. 0.035"		Art. 2535			random	

**Colours / Pigments:**

Colour		CI-Number		
02K-3	sand	77000	15850:1	19140:1
05K-3	medium violet	77000	15850:1	77510
08K-3	turquoise	77000	19140:1	77510
08K-3-SMIX	turquoise	77000	19140:1	77510
17K-3	blue teal	77000	77510	19140:1
21K-3	river green	77000	19140:1	77510
27K-3	hot pink	77000	45410	45380
33EK-3	neon deep pink	45410	45380	
33EK-IMIX	neon deep pink iridescent	45410	45380	
35K-3	amethyst	77000	15850:1	77510
36K-3	pink	77000	15850:1	19140:1
36AK-3	pink hologram	77000	15850:1	
39K-3	mallows rose	77000	15850:1	19140:1
40K-3	dark gold	77000	15850:1	19140:1
41AK-3	light lavender hologram	77000	15850:1	77510
43K-3	sahara	77000	15850:1	19140:1
44K-3	crimson pink	77000	15850:1	
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	

Colour		CI-Number			
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-SMIX	purple	77000	15850:1	77510	
56AK-3	purple hologram	77000	15850:1	77510	
57K-3	fuchsia	77000	19140:1	77510	15850:1
57AK-3	fuchsia hologram	77000	19140:1	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	
84K-3	jade	77000	19140:1	77510	
89K-3	cinnamom	77000	15850:1	19140:1	77266
90K-3	crimson	77000	15850:1		
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	19140:1	15850:1	77266
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	
458-3	purple black iridescent	77000	15850:1	77510	77266
4112K-3	deep gold	77000	16035	19140:1	
767K-3	multi	77000	19140:1	77510	15850:1
838K-3	rose	77000	16035	19140:1	
847K-3	dark orchid	77000	16035	77510	
852K-3	antique red	77000	16035	19140:1	
867K-3	multi	77000	19140:1	77510	16035
889K-3	bright bronze	77000	16035	19140:1	77266
890K-3	ruby red	77000	16035	19140:1	

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

According to ANNEX IV "LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS" of REGULATION (EC) No 1223/2009

**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 USA, EU, Japan	Weight	CAS-No.	EINECS	CI-No.	FDA/CFR
Polyurethane Coating	Polyurethane-11	1 - 2 %	68258-82-2	none	---	FDA Ref# 21 CFR 177.1680
FD&C Yellow 5	D&C Yellow No. 5--Aluminum Lake, CI 19140, Ki4	belongs to Article; between 0 - 1,3 %	12225-21-7	235-428-9	19140:1	FDA Ref# 21 CFR 74.2705
DC Red 7	D&C Red No. 7--Calcium Lake, CI 15850, Aka 202		5281-04-9	226-109-5	15850:1	FDA Ref# 21 CFR 74.2307
Acid Red 87	D&C Red No. 22, CI 45380, Aka 203(1)		17372-87-1	241-409-6	45380	FDA Ref# 21 CFR 73.2322
Pigment Blue 27	Ferric Ammonium Ferrocyanide, CI 77510, Ferric Ferrocyanide		25869-00-5	247-304-1	77510	FDA Ref# 21 CFR 73.2298
Acid Yellow 3 / Food Yellow 13	D&C Yellow No. 10, ---, Ki 203		8004-92-0	none	47005	FDA Ref# 21 CFR 74.2710
Iron Oxide Red	Iron Oxides, CI 77491, Red Oxide of Iron		1332-37-2	215-570-8	77491	FDA Ref# 21 CFR 73.2250
Acid Red 92	D&C Red No. 28, CI 45410, Aka 104(1)		18472-87-2	242-355-6	45410	FDA Ref# 21 CFR 74.2328
FD&C Red 40	D&C Red No. 40--Aluminum Lake, CI 16035, ---		25956-17-6	247-368-0	16035	FDA Ref# 21 CFR 74.2340
Carbon Black	D&C Black No. 2, CI 77266, Carbon Black		1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052
Aluminum	Aluminum powder, CI 77000, Aluminum powder	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
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	19140:1	
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	
90K-IMIX	crimson iridescent	77000	15850:1		
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		

### Colouring agents allowed for use in cosmetic products

According to ANNEX IV "LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS" of REGULATION (EC) No 1223/2009

#### 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 *)
Isopropanol (70%)	15 min.	partial resistant *)
Demineralized H <sub>2</sub> O	3 months	resistant

\*) 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 USA, EU, Japan	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
Red 122	---, CI 73915, ---	belongs to Article; between 0 - 1,3 %	980-26-7	213-561-3	73915	---
Yellow 83	---, CI 21108, ---		567-15-7	226-939-8	21108	---
Blue 15	---, CI 74160, Ao404		147-14-8	205-685-1	74160	---
Green 7	---, CI 74260, ---		1328-53-6	215-524-7	74260	---
Violet 23	---, CI 51319, ---		6358-30-1	228-767-9	51319	---
Titanium Dioxide	Titanium Dioxide, CI 77891, Titanium Dioxide		13463-67-7	236-675-5	77891	---
Carbon Black	D&C Black No. 2, CI 77266, Carbon Black		1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052
Aluminum*)	Aluminum powder, CI 77000, Aluminum powder	0 - 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

\*) 0 % Aluminum: Colour 11-3

### 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	
approx. 0,90 mm	approx. 0.035"		Art. 2535			random	



**Colours / Pigments:**

Colour		CI-Number		
04-3	bronze	77000	73915	21108
11-3	clear			
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**

According to ANNEX IV "LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS" of REGULATION (EC) No 1223/2009

**Field of application**

Column 1	All materials which do not content any colouring agents (pigments).
Column 1	Colouring agents allowed in all cosmetic products.
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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 USA, EU, Japan	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
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	---, CI 74160, Ao404		147-14-8	205-685-1	74160	---
Green 7	---, CI 74260, ---		1328-53-6	215-524-7	74260	---
Violet 23	---, CI 51319, ---		6358-30-1	228-767-9	51319	---
Titanium Dioxide	Titanium Dioxide, CI 77891, Titanium Dioxide		13463-67-7	236-675-5	77891	---
Carbon Black	D&C Black No. 2, CI 77266, Carbon Black		1333-86-4	215-609-9	77266	FDA Ref# 21 CFR 74.2052
Aluminum	Aluminum powder, CI 77000, Aluminum powder	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		
approx. 0,90 mm	approx. 0.035"		Art. 2535	random		

\*) 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**

According to ANNEX IV "LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS" of REGULATION (EC) No 1223/2009

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	
approx. 0,90 mm	approx. 0.035"	2535-421-3	2535-422-3	2535-423-3	2535-424-3	2535-400-3	random		

### 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

According to ANNEX IV "LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS" of REGULATION (EC) No 1223/2009

#### Field of application

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

First created on: 2013-12-11  
Next inspection on: 2018-12-31Updated on: 2017-11-29  
Printed on: 2017-11-29**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
D&C Red No. 28	45410	use as colorant in hair dyes, cosmetics, pharmaceuticals, biological stain, sensitizer for photooxidation used in wastewater disinfection and detoxification
D&C Yellow No. 10	47005	use as colorant in cosmetics, hair dyes, pharmaceuticals, foods & dye for wool, silk & nylon
D&C Red No. 7-- Calcium Lake	15850	use as colorant in cosmetics, pharmaceuticals, colorant for cheese rind, food-contact polymers, topical antiseptic
D&C Yellow No. 5-- Aluminum Lake	19140	use as colorant in cosmetics (eye use), foods, pharmaceuticals (oral & topicals), dye for polyamide fibres
Ferric Ammonium Ferrocyanoide	77510	use as colorant in cosmetics (eye use) & toiletries, external pharmaceuticals
Iron Oxides	77491	use as colorant in cosmetics & toiletries, foods, feed, ingested pharmaceuticals & drugs, contact lenses, food-grade polymers
D&C Red No. 40-- Aluminum Lake	16035	use as colorant in foods, beverages, cosmetics, pharmaceuticals & eye use
D&C Black No. 2	77266	listed in CTFA as colorant in cosmetics
Aluminum powder	77000	use as colorant in cosmetics & external pharmaceuticals
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

First created on: 2013-12-11  
Next inspection on: 2018-12-31

Updated on: 2017-11-29  
Printed on: 2017-11-29

**Storage indication:** Store in a dry manner in closed (original) container by room temperature.  
We recommend a processing within 36 months.

**Disposal information:** There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

**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 (EC/1223/2009) 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.

Sigmund Lindner GmbH has established a Quality Management System according to ISO 9001. The production of Cosmetic Glitter is certified according ISO 22716:2007 Cosmetics - Good Manufacturing Practices (GMP).

For any further information like test reports, shade card and MSDS please contact your product manager.

**Manufacturer / Supplier:**

Sigmund Lindner GmbH  
Oberwarmensteinacher Str. 38  
95485 Warmensteinach / GERMANY  
Phone: +49-9277-9940  
Fax: +49-9277-99499  
Web: [www.sili.eu](http://www.sili.eu)  
E-Mail: [sili@sigmund-lindner.com](mailto:sili@sigmund-lindner.com)

**Responsible:**

Erwin Pschierer  
Product Manager Glitter  
Phone: +49-9277-99483  
Fax: +49-9277-99489  
E-Mail: [erwin.pschierer@sigmund-lindner.com](mailto:erwin.pschierer@sigmund-lindner.com)