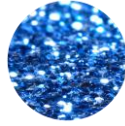


Product Data Sheet



The German spirit of quality since 1854



SiLiglam Cosmetic Effects

First created on: 2015-08-12 Updated on: 2018-07-18
 Next inspection on: 2019-06-30 Printed on: 2018-07-18

Version: V21/2018

SiLiglam Type H

Application of product: Raw material / additive for cosmetics – Holographic Effect

Chemical composition:

| Component | INCI name | | | Content | CAS-No. | EINECS |
|----------------------------|----------------------------|-----------------|---------------------|----------------------|------------|-----------|
| | EU | US | JP | | | |
| Coating | Phenyl Methicone | | | ca. 4 % | 31230-04-3 | N/A |
| | Polyvinyl Alcohol | | | | 9002-89-5 | N/A |
| | Polyvinyl Butyral | | | | 63148-65-2 | N/A |
| Colours: | | | | | | |
| 007A-L | mahogany hologram | CI 77266 | Black 2 | Carbon Black | 1333-86-4 | 215-609-9 |
| 470A-L | copper hologram | CI 77491 | Iron Oxides | Red Oxide of Iron | 1309-37-1 | 215-168-2 |
| 498A-L | dusty rose hologram | CI 77491 | Iron Oxides | Red Oxide of Iron | 1309-37-1 | 215-168-2 |
| 645A-L | platinum hologram | CI 77007 | Ultramarines | Ultramarine | 57455-37-5 | N/A |
| 730A-L | victorian gold hologram | CI 77491 | Iron Oxides | Red Oxide of Iron | 1309-37-1 | 215-168-2 |
| | | CI 77492 | Iron Oxides | Yellow Oxide of Iron | 51274-00-1 | 257-098-5 |
| 1245A-L | bright gold hologram | CI 77492 | Iron Oxides | Yellow Oxide of Iron | 51274-00-1 | 257-098-5 |
| 3025A-L | cornflower hologram | CI 77510 | Ferric Ferrocyanide | Ferric Ferrocyanide | 14038-43-8 | 237-875-5 |
| 4505A-L | olive green hologram | CI 77007 | Ultramarines | Ultramarine | 57455-37-5 | N/A |
| | | CI 77492 | Iron Oxides | Ferric Ferrocyanide | 51274-00-1 | 257-098-5 |
| 4515A-L | lemongrass hologram | CI 77492 | Iron Oxides | Yellow Oxide of Iron | 51274-00-1 | 257-098-5 |
| 4645A-L | bronze hologram | CI 77491 | Iron Oxides | Red Oxide of Iron | 1309-37-1 | 215-168-2 |
| 5487A-L | pine green hologram | CI 77491 | Iron Oxides | Red Oxide of Iron | 1309-37-1 | 215-168-2 |
| | | CI 77510 | Ferric Ferrocyanide | Ferric Ferrocyanide | 14038-43-8 | 237-875-5 |
| 5763A-L | khaki hologram | CI 77492 | Iron Oxides | Red Oxide of Iron | 51274-00-1 | 257-098-5 |
| | | CI 77510 | Ferric Ferrocyanide | Ferric Ferrocyanide | 14038-43-8 | 237-875-5 |
| Polyurethane coating | Polyurethane-11 | | | ca. 2 % | 68258-82-2 | N/A |
| Aluminum | CI 77000 | Aluminum Powder | | max. 0.1 % | 7429-90-5 | 231-072-3 |
| Polyethylene Terephthalate | Polyethylene Terephthalate | | | ca. 93.9 % | 25038-59-9 | N/A |

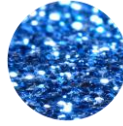
Construction of the Article number:

| Material | Size | | | Colour | | Coating |
|----------|------|---|---|--------|---|---------|
| 25 | 10 | A | — | 1245A | — | L |

Technical data:

Specific weight: 1.38 kg/dm³
 Bulk density: between 0.25 and 0.60 kg/dm³ - depending on particle size

Product Data Sheet



The German
spirit of quality
since 1854



SiLiglam Cosmetic Effects

First created on: 2015-08-12 Updated on: 2018-07-18
Next inspection on: 2019-06-30 Printed on: 2018-07-18

Version: V21/2018

Available sizes:

| Article No. | Size particle | | Gauge / thickness | | Shape |
|-------------|---------------|--------|-------------------|---------|-----------|
| | metric | Inch | metric | Inch | |
| 2520A | 0.10 mm | 0.004" | 0.025 mm | 0.0010" | hexagonal |
| 2519A | 0.15 mm | 0.006" | 0.050 mm | 0.0020" | hexagonal |
| 2510A | 0.20 mm | 0.008" | 0.050 mm | 0.0020" | hexagonal |
| 2501A | 0.40 mm | 0.015" | 0.050 mm | 0.0020" | hexagonal |

Resistance:

| Medium | Conditions | Result |
|-----------------------------------|----------------|-----------|
| Certain cosmetic formulations*) | 1 week / 50 °C | resistant |
| MEK (Methyl Ethyl Ketone; 99%ig*) | 15 min / 23 °C | resistant |
| Isopropanol (25%ig) *) | 15 min / 23 °C | resistant |
| Isopropanol (70%ig) *) | 15 min / 23 °C | resistant |
| Ammoniak (25%*) | 30 min / 23 °C | resistant |

*) SiLi test method

Storage indication:

Store in a dry manner in closed (original) container by room temperature.
We recommend a processing within 30 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:

Material Safety Data Sheet SiLiglam Cosmetic Effects

SiLiglam Cosmetic Effect is understood to be allowed for use in cosmetics and are examined for restricted substances in accordance to the EU, US and JP Cosmetic Regulations. Final application choice, end product approval and ingredient listing is the responsibility of the customer.

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
E-Mail: 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

Product trials and stability tests are always recommended and are the responsibility of the customer prior to production.

All data are reference values – subject to change without prior notice