

Technical Data Sheet

ICE-P

General Description

- Phosphorescent pigments for cosmetic applications that meets the purity specifications outlined by US FDA (Consult 21CFR73.2995 for specifications and use restrictions).
- Luminescent Zinc Sulfide compound.

Advised applications according US FDA:

- Externally applied facial makeup and nail polish.

Product Features

- Responds quickly to excitation by daylight, incandescent, fluorescent or ultraviolet light and produces a bright green emission color.
- Afterglow is depending on pigment concentration, surface area and the amount of energy absorbed.
- For facial makeup preparations amount of ICE-P-11 shall not exceed 10% by weight of the final product. Only suitable for limited, infrequent occasions and not for regular or daily use⁽¹⁾.
- Do not use in the area of the eyes⁽¹⁾.

Standard Colors

Product Name	Description
ICE-P-11	Phosphorescent Zinc Sulfide
Packaging: 1 box = 5kg (1x5kg) 1 box = 20kg (1x20kg) MOQ = 5kg	
Storage & shelf life: 120 months when kept in closed original packaging in a dry place at ambient temperature.	
Safety & regulatory: Safety Data Sheet available on request.	

Technical information⁽²⁾

Identification Data	
INCI name	Phosphorescent Zinc Sulfide
Chemical name	Zinc sulfide (ZnS), copper chloride-doped
Color index number	None
CAS number	68611-70-1
EC number	271-904-2

Chemical Specifications	
Zinc sulfide	> 99.8%
Copper	< 105 ppm
Lead	< 20 ppm
Arsenic	< 3 ppm
Mercury	< 1 ppm
Cadmium	< 15 ppm

⁽¹⁾According to US FDA 21CFR73.2995

⁽²⁾Test methods and Certificate of Analysis (COA) available on request

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Physical properties	
Delivery form	Powder
Daylight body color	Yellow Green
Afterglow color	Green
Average particle size	26+/-3 μm
Afterglow intensity @ 1 min (mcd/m^2)	>359 mcd/m^2
Afterglow intensity @ 10 min (mcd/m^2)	>28 mcd/m^2
Afterglow intensity @ 60 min (mcd/m^2)	>2,6 mcd/m^2
Emission peak (nm)	527

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