

# Technical Data Sheet

## ICE-X-09

### General Description

- Cosmetic grade ultra-violet responsive optical brightener additive for water, solvent and oil based applications.

### Product Features

- ICE-X-09 enhances the brightness of formulations, is a soft-focus effect filler or simply adds fluorescence to an existing formulation.
- This revolutionary new thermosetting polymer provides the fluorescent effects of an optical brightener without the staining or dispersion problems.
- ICE-X-09 provides a universal solution for enhancing brightness as it is resistant to the solvents commonly employed in nail enamels and hair sprays.

### Applications

- Lip sticks
- Bath bombs
- Makeup
- Lotions and soaps
- Personal care products

### Standard Color

Product Name	Description
ICE-X-09	Fluorescent Illuminator

#### Packaging:

1 box = 20kg  
MOQ = 20kg

#### 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.

### Physical properties

Product color	Off white powder
Density	1.18 g/cm <sup>3</sup>
Bulk density	0.36 g/cm <sup>3</sup>
Particle size	2.5 µm (average)
Oil absorption	60g of oil/100g of pigment
Refractive Index	1.56

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

Component (INCI name)	CAS N°	EINICS/ELINCS N°	Concentration	Function*
Norbornanediamine/Resorcinol Diglycidyl Ether Crosspolymer	2176443-64-2		83.17%	Polymer/Diluent
Fluorescent brightener 230 (4,4'-Bis[4-anilino-6-[N-(2-hydroxyethyl)-N-(2-carbamoyl-ethyl)]amino-1,3,5-triazine-2-ylamino]-2,2'-stilbenesulphonic acid disodium salt)	27344-06-5	248-420-5	13.89%	Additive
Aluminum Hydroxide	21645-51-2	244-492-7	2.94%	Additive

\* Function: actives, preservatives, solvents, antioxidants, other additives

ICE-X-09 pigment is designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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