

GENERAL DESCRIPTION

Isocryl® C-70 is a moderate to high Tg carboxyl functional solid acrylic resin designed for use as a modifier in conventional and UV-curable inks, coatings, finger nail lacquers, and adhesives. Isocryl® C-70 is soluble in alcohols, esters, ketones, and various UV monomers. Isocryl® C-70 can aid in pigment dispersion, adhesion, hardness, appearance, and clarity of resin formulations in these applications.

TYPICAL PROPERTIES*

Appearance	Clear Flakes
Softening Point, RING & BALL	115 - 130°C
Specific Gravity (25/25)	1.10-1.15 g/cm ³
Non-Volatile, weight %	98.5% minimum
Gardner color, 50% in butyl acetate	2 maximum
Acid Value	65 - 75
Glass Transition Temperature, Tg	75 – 80°C

* Not to be used for specification purposes

COSMETIC APPLICATIONS

Isocryl® C-70 offers compatibility with alcohols and nitrocellulose resins, and can provide adhesion, gloss control, and pigment suspension in these systems. Typical levels of addition in nail lacquer formulations range 1 – 8 % on total formula weight. However, laboratory evaluations should be performed to confirm compatibility and optimum concentrations of Isocryl® C-70 and other components in specific formulations.

REGULATORY LISTINGS

The components in this material are either listed or exempt from listing due to polymer exemption criteria for the following chemical listing inventories: AICS (Australia), DSL (Canada), ECL (Korea), ENCS (Japan), IECSC (China), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA).

FDA COMPLIANCE

Isocryl® C-70 is compliant with EU directive 2002/95/EC and is also compliant with US 21 CFR 175.300. The finished coating must meet the extractive requirements of 21 CFR 175.300. This aspect of compliance is the responsibility of the manufacturer or user of the finished coating.

INCI LISTING

Isocryl® C-70 is listed under *styrene/acrylates copolymer* with the Personal Care Products Council.

PACKAGING (NET WEIGHT)

55 lb. / 25 kg in fiberboard box with polyolefin liner

PRODUCT AVAILABILITY

This product is available in commercial quantities. Please contact your Estron Sales Representative for lead time and availability.

**ISOCRYL® C-70
ACRYLIC RESIN**



THE EDGE OF INNOVATION

www.estrone.com

STORAGE AND HANDLING

Keep container tightly closed and store in a dry, well ventilated area away from heat and sources of ignition. Shelf life of unopened containers is one year from date of shipment. See SDS for additional information.

CONTACT INFORMATION

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TDS Revised by: A. Buckhalter

TDS Approved by: F. Allen