

# Cargill ChemCure® 319 curing agent

## Product Description

ChemCure® 319 cycloaliphatic amine curing agent for epoxy coatings with very good aesthetics, fast curing, and superior yellowing resistance.

ChemCure® 319 curing agent provides films that are high gloss and have good chemical, scratch, and blush resistance when cured at ambient temperature. When cured with ChemRes™ 635 epoxy resin specialty epoxy resin blend, the resulting film has excellent appearance and performance.

## Typical Properties

	TYPICAL VALUE	UNIT OF MEASURE
Color	0.1	Gardner
Viscosity @ 25 °C	315	cP
Density @ 25 °C	8.5	lb/gal
Amine Value	295	mg KOH/g sample
Equivalent Weight (AHEW)	100	wt/{H}
PHR	56	NA

## Performance Properties

	TYPICAL VALUE 72°F / 50% Rel. Humidity	TYPICAL VALUE 50°F / 80% Rel. Humidity
Gel Time, 150g (min)	19	57
Work Time, 10 mil (min)	93	183
Dry time, tack-free, 10 mil (min)	130	297
Dry time, walk-on, 10 mil (min)	153	431
Hardness, 24 Hr, 25g (ShoreD)	79	-

Note: Data is based on lab testing performed with ChemRes™ 628 epoxy resins (Equivalent Weight = 186).

## PRODUCT DATA

	TYPICAL VALUE 72°F / 50% Rel. Humidity	TYPICAL VALUE 50°F / 80% Rel. Humidity
Gel Time, 150g (min)	15	48
Work Time, 10 mil (min)	95	227
Dry time, tack-free, 10 mil (min)	125	319
Dry time, walk-on, 10 mil (min)	150	569
Hardness, 24 Hr, 25g (ShoreD)	82	-

Note: Data is based on lab testing performed with ChemRes™ 635 epoxy resins (Equivalent Weight = 225).

### Compatibility

ChemCure® 319 curing agent is compatible with most curing agents, epoxy resins, and other components of epoxy systems, however, compatibility testing prior to large-scale application is recommended to ensure safe use.

### Packaging, Storage, and Handling

Product is available in drums and totes. Keep away from extreme heat, cold, and moisture. Please refer to the product's safety data sheet for shipping, safety and handling.

**Note:** It is recommended that opened drums use a desiccant tube in the bleed bung and are covered with a nitrogen blanket if the drum will be stored as a partial for later use.

### Shelf Life

The recommended shelf life is 12 months in unopened containers maintained at a proper storage temperature of 25°C.

### Environmental and Safety

Please refer to the product's safety data sheet.

If you have further questions do not hesitate to **reach out to your local representative.**

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