H.B. Fuller | Cyberbond CB

CB 9065 and CB 9066 Technical Datasheet

The CB 9065 and CB 9066 D-Bonders softens, dissolves and removes Cyanoacrylate Adhesives. In contrast to traditional solvents the products are notable for its almost non-combustibility.

.

CB 9065 and CB 9066 D-Bonders are designed for cleaning contaminated parts of Cyanoacrylate Adhesives:

- CB 9065 is liquid and especially suitable when contaminated parts can be dipped or if the D-Bonder as to distribute itself well over the polymerised Cyanoacrylate.
- CB 9066 comes as a Gel which allows a better control of application and a longer dwell time.

If clothing, tables or other unwanted areas are contaminated with Cyanoacrylate Adhesive, you might have a chance to clean these pieces with CB 9065 or CB 9066. Very important is to make trials at non visible parts beforehand to avoid that the D-Bonder destroys surfaces, bleaches cloths etc.

After applying CB 9065 or CB 9066 allow the D-Bonder a certain time to dissolve the adhesive before cleaning or wiping it away from the substrate surface. Depending on the quantity of adhesive being removed, additional applications of CB 9060 D-Bonder may be necessary. When attempting to remove bonded parts, soaking them for an extended time is maybe necessary.

Viscosity:

CB 9065: 3 - 10 mPas
CB 9066: 35.000 – 45.000 mPas

Physical properties

Shelf life	2 years
Flashpoint	123 °C
Density at 20 °C	1,2 g/cm³

Appearence

Color	colorless

General Information CA

Cyanoacrylates are fast setting, one component and solvent free adhesives. They are based on esters of cyanoacetic acid. To get to a finished product, mainly thickeners, respectively film forming agents (polymer methacrylics and acrylics) and stabilisers are added. The polymerization is initiated by present humidity. Best results are given between 40 to 70 % relative humidity.

Cyberbond standard grades are as follows:

- Powerdrop series (stabilised ethyl ester)
- Elastomer and plastic series (ethyl ester)
- Neomer Series (surface insensitive ethyl ester)
- xtraflex series (rubber toughened ethyl ester)
- metal series (ethyl ester)
- low odour series (alkoxy ester)
- medical series (butyl- and octyl ester)

Measurement of Viscosities

Viscosity describes the flow-ability of a liquid. Cyberbond measures the viscosity of the products by means of the cone/plate method: the liquid is applied on a panel and a defined cone presses the liquid together and rotates.

You differentiate between a Newtonian and a thixotropic liquid. In terms of a Newtonian liquid you will get a relative constant viscosity graph in dependence of the rotary speed of the cone. In terms of thixotropic liquids the product becomes more liquid (down to its base viscosity) the faster the cone rotates.

The viscosity is measured in mPa*s (milli Pascal x second) [SI system] or in cP (centipoise) [CGS- system]; 1 mPa*s = 1 cP.

In order to allow products comparison all adhesives are measured at the same rotation speeds.

- Newtonian liquids at 160 upm
- Thixotropic liquids at 0,5 upm and at 160 upm

Temperature always is at 20 °C / 68 °F, if not mentioned to be different.

Clean Surface

The surface condition of the mating parts has an enormous influence on the success of a bond. To achieve good bonding success the mating parts should be clean.

Additional Programme

In order to support certain applications Cyberbond offers perfectly balanced additional products such as:

- Primer and Conditioner Pen: in order to change surface tension; enables to bond unpolare materials (Standard: CB 9056)
- D-Bonder: in order to dissolve adhesives (Standard: CB 9060, CB 9065, CB 9066)
- Activator: in order to accelerate the curing of adhesives (Standard: CB 9090, CB 9096, Quickstep 9040, Quickstep 9080)
- Cleaner: in order to clean surfaces professionally (Standard: CB 9999)

LINOP Equipment

Cyberbond offers by means of the LINOP Equipment range suitable dosing and LED based curing devices. We also refer to suitable dosing tips which help an economical use of the adhesives (also if used manually).

Storage

Store products in a cold and dark place. Before use allow to reach ambident temperature.

Potential Danger of Cyanoacrylates

You should care for the following:

- use in well ventilated areas only
- install suitable exhaust systems in the workshop
- apply material economically and use a dosing system where appropriate
- allow a consistent relative humidity of 50 to 65 %; with regards to lower figures the polymerization will be delayed and monomer adhesive fume will appear
- if necessary: wear suitable, non-sucking gloves (e.g. no cotton)
- keep adhesive out of reach of children

The data mentioned in this TDS, particularly the recommendations and use of products are based on our recent knowledge and experience. Due to the fact of having so many different materials involved and conditions of applications which are out of our influence, we strongly recommend to do sufficient tests in order to guarantee that Cyberbond products are suitable for the intended process and applications. Except for wilful acts any liability based on such recommendations or any verbal advice is hereby expressly excluded.

For safe handling consult Material Saftey Data Sheet (MSDS).

Cyberbond Europe GmbH
A H.B. Fuller Company
Werner-von-Siemens-Straße 2
31515 Wunstorf
Germany
Tel.: +49 / 50 31 / 95 66 - 0
www.cyberbond.de