



## OAK INDUSTRIAL SUPPLIES

“THE INDUSTRIAL SUPPLIES PEOPLE”

### HEALTH & SAFETY DATA SHEET

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#### CYANOACRYLATE –INSTANT SET CYANOACRYLATE ADHESIVE

##### GENERAL PROPERTIES

A.5009 is low viscosity modified cyanoacrylate acid ethyl ester. The product is rapid setting and has excellent bonding properties particularly to rubber and synthetic rubbers such as EPDM.

##### PHYSICAL DATA

Softening range	-	160 – 170 °C	Solids 100 °C
Retractive index	-	Similar to glass	Viscosity 15-30 Mpa.s
Specific volume			Colour – Colourless clear
Resistivity __ mm		<10 15	Tack Life – N/A
Di electric constant at 1MHz			Coverage – N/A
5.2			Cleaner – See Text
Di electric strength (KV/mm)			Flash Point – 83 °C
11 – 13			Shelf Life – Keep Cool Six Months min.
Solubility		Dimethyl formamide	
		(Swells in acetone. Ethyl acetate on long storage).	

##### APPLICATION

###### Surface Preparation

For most applications it will be sufficient that the surface is dry and grease free. However, for highest quality requirements metals may require a ‘pickling’ treatment. Other surfaces, which will require a pre-treatment, are the difficult to bond plastics such as polyethylene and polyethylene. Details of chromic acid process can be provided if required.

### Bonding

Apollo A.5009 should be applied with a dropping bottle or drop wise by a special dosing device.

Cyanoacrylates are not suitable for bonding large areas since inner tensions can cause brittle fracture – spot application could, however, be use.

Acidic surfaces may in some cases inhibit the setting of the adhesive.

### Storage

Store out of direct sunlight and in a cool area, preferably below 10 °C.

### Availability

Normally in 20 and 500 gram bottles – others by arrangement.

The above figures do not constitute a specification. They represent typical values obtained for this product.

Ref: 02/94.

## **HEALTH AND SAFETY**

Before using this product ensure that you have been supplied with and have read carefully the following information:

- (1) 'Safe Handling of Adhesives and Sealants in Industry' published by B.A.S.A.
- (2) The hazard label (complying with CPL Regulations 1984) applied to the container.
- (3) Apollo Health and Safety literature: H.S. –5.5.

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