

# MATERIAL SAFETY DATA SHEET

## GROSVENOR GRO24

### 1. Identification of Substances

**Product details:** Single-component based on Cyanoacrylic acid alkyl ester. More commonly known as Superglue Cyanoacrylate.  
**Trade Name description:** Spectrum Cyanoacrylate  
**Article Number:** **GRO24**  
**Suppliers Name:** Grosvenor Electronics Supplies UK.  
 Priory Tec Park, Saxon Way, Hesse, East Yorkshire, HU13 9PB  
 Tel: 01482 627327 Fax: 01482 627328 E-Mail: sales@grosvenor-group.com

### 2. Composition/Data on Components

**Chemical characterisation:**

**CAS No. Designation:**  
 7085-85-0-Ethyl 2-Cyanoacrylate

**Identification Number(s):**

**EINECS Number:** 2303915

**Chemical characterisation**

**Description:** Adhesive

**Dangerous components:**

CAS No.	Designation	%	Index	R-phrases
	Void			

### 3. Hazards Identification

**Additional information:** Cyanoacrylate! Danger bonds skin and eyelids within seconds. Keep out of reach of children.

### 4. First Aid Measures

**General information:** No special measures required

**After inhalation:** Supply fresh air

**After skin contact:** Instantly wash with soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult doctor.

**After swallowing:** Call a doctor immediately.

**Information for doctor:**

**The following symptoms may occur:** Breathing difficulty

**Treatment:** In cases of irritation to the lungs, initial treatment with Dexametason metered aerosol.

### 5. Fire Fighting Measures

**Suitable extinguishing measures:** CO2, extinguishing powder or water jet. Fight larger fire with alcohol resistant foam.

**Special hazards caused by the material, its products of combustion or flue gases:**

Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire

Nitrogen oxides (NOx) Carbon Monoxide (CO)

**Protective equipment:** Do not inhale explosion gases or combustion gases.

### 6. Accidental Release Measures

**Person-related safety precautions:** Ensure adequate ventilation

**Measures for environmental protection:** Prevent material from reaching sewage system, holes and cellars.

**Measures for cleaning/collecting:** Collect mechanically

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**Additional information:** No dangerous materials are released.

### 7. Handling and Storage

#### **Handling**

**Information for safe handling:** Ensure good ventilation/exhaustion at the workplace. No special measures required. Keep containers tightly sealed. Open and handle containers with care.

**Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.

#### **Storage**

**Requirements to be met by storerooms and containers:** Store only in the original container.

**Information about storage in one common storage facility:** Do not store together with alkalis (caustic solutions)

**Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

**Storage class:** Class according to regulation on inflammable liquids: VbF: A III

### 8. Exposure Controls and Personal Protection

**Additional information about design of technical systems:** No further data; see item 7

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** Supply fresh air. When air is very dry humidity should be increased to 50-60% relative humidity of air.

Cyanoacrylates are considered to be possible sensitizers by inhalation, new legislation in 1996 may consider this as a formal risk, but as yet it is suggested as a safety phrase as additional information. see section 11.

#### **Personal protective equipment**

**General protective and hygienic measures:** The usual precautionary measures should be adhered to in handling the chemicals.

**Breathing equipment:** Not required.

**Protection of hands:** Protective gloves and protective skin cream.

**Eye protection:** Tightly sealed safety glasses.

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9. Physical and Chemical Properties				
Form: Fluid				
Colour: Colourless				
Smell: Characteristic				
	Value/Range	Unit	Method	
Change in condition				
Melting point / Melting range:	Not determined			
Boiling point / Boiling range:	> 200	°C		
Flash point:		87 °C	DIN 51758	
Self-inflammability:	Product is not selfigniting.			
Danger of explosion:	Product is not explosive.			
Density at 20 °C	1.05 - 1.08 g/cm3			
Solubility in / Miscibility with Water:	Not applicable			
Viscosity:	Not miscible or difficult to mix			
dynamic: at 20 °C	2 - 600 mPas			
10. Stability and Reactivity				
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.				
Dangerous reactions: Exothermic polymerisation, Violent reactions with strong alkalis and oxidising agents, Reacts with amines, Heating occurs when water is added, Reacts violently with water				
Dangerous products of composition: No dangerous decomposition products known				
11. Toxicological Information				
Acute toxicity: not determined				
Primary irritant effect:				
On the skin: Irritant for skin and mucous membranes				
On the eye: Irritant effect				
Sensitisation: Sensitisation possible by inhalation				
Additional toxicological information:				
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.				
The material is not subject to classification according to EC lists in the last version.				
12. Ecological information				
General notes:				
Water hazard class 0 (Self-assessment): generally not hazardous for water.				
13. Disposal Considerations				
Product:				
Recommendation				
Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.				
Polymerise carefully with water or alkali.				
Waste disposal key number 55905				
Uncleaned packaging: Recommendation: Polymerise carefully with water or alkali.				
14. Transport Information				
Land transport ADR/RID and GGVs/GGVE (cross-border/domestic)				
ADR/RID - GGVs/EC class: 3 Inflammable liquid				
Number/Letter: 3B2 c				
Remarks: No dangerous goods due to the regulations for small quantities (below 3 l per unit or below 42 l per carton).				
15. Regulatory Information				
Designation according to EC guidelines:				
Observe the normal safety regulations when handling chemicals				
The product has not been classified and labelled in accordance with EC Directives / relevant national laws.				
Special designation of certain preparations:				
Cyanoacrylate - Danger! Bonds skin and eyelids within seconds. Should be kept out of children's reach.				
National regulations				
Classification according to VbF: A III				
Water hazard class:				
Water hazard class 0 (Self-assessment): generally not hazardous for water.				
16. Other Information				
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.				
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