



MATERIAL SAFETY DATA SHEET

SURE FIX

1. Identification of Substances				
Product details: Single-component based on Cyanacrylicacidalcyylester. More commonly known as Superglue Cyanoacrylate.				
Trade Name description:	Spectrum Cyanoacrylate			
Article Number:	SURE FIX			
Manufacturers Name:	Tough Technology Products Limited	Tel: 0161 9699939		
Informing Department:				
Emergency Information:				
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 CO ₂ , 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 (NO _x) 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 sensitises 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/cm ³	
Solubility in / Miscibility with Water:	Not applicable		
Viscosity: 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 O (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/E Class: 3 Inflammable liquids

Number/Letter: 3/32 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 O (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.

Department issuing data specification sheet:

Contact: Mr John Quinn Technical Director.

Issue Date: 04/12/96

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