

Material Safety Data Sheet

Date: 27.02.2007
Last revised: 16.11.2006
Our ref: 0034.4/H(DR)

Page: 1/3

1. Product and company information

Commercial product name: **SX Superglue (Cyanoacrylate Adhesive)**

Supplier: Siroflex Ltd, Dodworth Business Park, Dodworth Barnsley S75 3SP, telephone: 01226 771600, facsimile: 01226 771601

Emergency phone: 01226 771600 (after working time) email to technical@siroflex.co.uk

2. Composition/information on ingredients

<u>Component</u>	<u>%</u>	<u>CAS No</u>	<u>EC No.</u>	
Ethyl-2-Cyanoacrylate	86.0-99.5	7085-85-0	230-391-5	(Xi)R36/37/38
Hydroquinone	<1	123-31-9	204-617-8	(Xn)R22; (Xn)R40; (Xi)R41; (Sens.)R43; (N)R50; (Xn)R68

3. Hazard identification

Main hazards: Irritating to eyes, respiratory system and skin.

4. First aid measures (SYMPTOMS)

Skin Contact: There maybe irritation and redness at the site of contact.
Eye contact: There maybe irritation and redness. The eyes may water profusely.
Ingestion: There maybe soreness and redness of the mouth and throat.
Inhalation: There maybe irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4. First aid measures (ACTION)

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. Fire fighting measures

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
Exposure hazards: In combustion emits toxic fumes.
Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

7. Handling and storage

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Material Safety Data Sheet

Product name: **SX Superglue (Cyanoacrylate Adhesive)**

Our ref: 0034.4.H

Page: 2/3

8. Exposure controls and personal protection

<u>Hazardous ingredients:</u>	ETHYL-2-CYANOACRYLATE WEL (15 min exposure limit): 1.5 mg/m ³ HYDROQUINONE
<u>Engineering measures:</u>	WEL (8 hr exposure limit): 2 mg/m ³ WEL (15 min exposure limit): 4 mg/m ³ Ensure there is sufficient ventilation of the area.
<u>Respiratory protection:</u>	Self-contained breathing apparatus must be available in case of emergency.
<u>Hand protection:</u>	Protective gloves.
<u>Eye protection:</u>	Safety glasses. Ensure eye bath is to hand.
<u>Skin protection:</u>	Protective clothing.

9. Physical and chemical properties

<u>State:</u>	Liquid
<u>Odour:</u>	Sharp, pungent
<u>Evaporation rate:</u>	Negligible
<u>Solubility in water:</u>	Insoluble
<u>Also soluble in:</u>	Acetone
<u>Boiling point/range °C:</u>	> 100
<u>Flash Point °C:</u>	> 81
<u>Relative density:</u>	1.10

10. Stability and reactivity

<u>Stability:</u>	Stable under normal conditions.
<u>Conditions to avoid:</u>	Heat.
<u>Materials to avoid:</u>	Strong oxidizing agents. Strong acids.
<u>Hazardous decomposition products:</u>	In combustion emits toxic fumes.

11. Toxicological information

<u>Hazardous ingredients:</u>	ETHYL-2-CYANOACRYLATE ORL RAT LD50 >5ml/kg HYDROQUINONE ORL MUS LD50 150mg/kg ORL RAT LD50 720mg/kg SCU RAT LDLO 300mg/kg
<u>Routes of exposure:</u>	Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. Ecological information

<u>Mobility:</u>	Readily absorbed into soil.
<u>Persistence and degradability:</u>	Biodegradable.
<u>Bioaccumulative potential:</u>	No bioaccumulation potential.
<u>Other adverse effects:</u>	Negligible ecotoxicity.

13. Disposal consideration

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

ADR/ RID UN no:	Not classified
IMDG/ IMO UN no:	Not classified
IATA/ ICAO UN no:	Not classified

Material Safety Data Sheet

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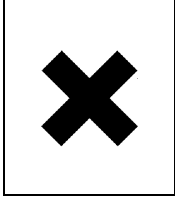
Our ref: 0034.4.H

Page: 3/3

15. Regulatory information

Hazard symbols:

Irritant.



Risk phrases:
Safety phrases:

R36/ 37/ 38
S23:
S24/ 25:
S26:

Irritating to eyes, respiratory system and skin.
Do not breathe vapour.
Avoid contact with skin and eyes
Incase of contact with eyes, rinse immediately with plenty of water and seek medical advise.

Precautionary phrases:

Contains hydroquinone. May produce an allergic reaction. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. Other information

Risk phrases used in s.2:

R36/ 37/ 38: Irritating to eyes, respiratory system and skin.
R22: Harmful if swallowed.
R40: Limited evidence of a carcinogenic effect.
R41: Risk of serious damage to eyes.
R43: May cause sensitization by skin contact.
R50: Very toxic to aquatic organisms.
R68: Possible risk of irreversible effects.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for and damage resulting from handling or from contact with the above product.