



SAFETY DATA SHEET LOCTITE SUPER GLUE LIQUID

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME LOCTITE SUPER GLUE LIQUID

PRODUCT NO. 853338, 577087, 855715, 614644, 578066, 577091, 834967, 866557, 866558, 912447, 912445, 853356, 853354, 886047, 871004, 860474, 866933, 854435, 853188, 853540, 853795, 966581, 853797, 966677, 969438, 969461, 969439, 577092, 577093, 562825, 577096, 577095, 577094

APPLICATION Cyanoacrylate adhesive

SUPPLIER Henkel Consumer Adhesives
Road 5, Winsford Industrial Estate
Winsford
Cheshire CW7 3QY
T: 01606 593933
F: 01606 863762
E: technical.services@henkel.co.uk

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ETHYL 2-CYANOACRYLATE	230-391-5	7085-85-0	60-100%	Xi;R36/37/38

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.

CLASSIFICATION Xi;R36/37/38.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Ensure airways are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Slavia will slowly separate the solidified product from the mouth (several hours).

SKIN CONTACT

Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a skin burn. Burns should be treated normally after the adhesive has been removed from the skin. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.

EYE CONTACT

If the eye is bonded closed, release eyelashes with warm water by covering with a wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Do not force eye open. Medical advice should be sought in case solid particles of adhesive trapped behind the eyelid cause any abrasive damage.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder.

SPECIFIC HAZARDS

By fire, toxic gases may be formed (COx, NOx).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

LOCTITE SUPER GLUE LIQUID

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

DO NOT touch spilled material. Ventilate well. Wear necessary protective equipment. Do not use cloths for mopping up. Polymerise with water and scrape off floor.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep upright. Keep in original container. For optimum shelf life store in original containers under refrigerated conditions at 2°C to 8°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
ETHYL 2-CYANOACRYLATE	WEL			0.3 ppm	1.5 mg/m3

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Well-ventilated area.

RESPIRATORY EQUIPMENT

In poorly ventilated areas, a cartridge mask approved for organic vapours is recommended.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Polyethylene gloves are recommended. Do not use PVC, rubber, nylon or cotton gloves

EYE PROTECTION

Use safety goggles and face shield in case of splash risk.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
SOLUBILITY	Immiscible with water Reacts with water Soluble in Acetone		
BOILING POINT (°C)	>100°C	RELATIVE DENSITY	1.05 @20°C
VAPOUR PRESSURE	<0.5 mm Hg @25°C	FLASH POINT (°C)	>80°C

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

POLYMERISATION DESCRIPTION

Polymerises in presence of moisture.

MATERIALS TO AVOID

May polymerise if exposed to alkalis, acids, heat, catalysts, peroxides, free radical initiators.

LOCTITE SUPER GLUE LIQUID**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION**INHALATION**

Irritating to respiratory system. Prolonged exposure to high concentrations of vapour may lead to chronic effects in sensitive individuals. In dry atmosphere with <50°C humidity, vapours may irritate the eyes and respiratory system.

INGESTION

Cyanoacrylates are considered to have relatively low toxicity. Acute oral LD 50 >5000mg/kg (rat). It is almost impossible to swallow as it rapidly polymerises in the mouth.

SKIN CONTACT

Irritating to skin. Bonds skin in seconds. Considered to be of low toxicity: acute dermal LD50 (rabbit)>2000mg/kg. Due to polymerisation at the skin surface allergic reaction is not considered possible.

EYE CONTACT

Irritating to eyes. Liquid adhesive; bonds eyes in seconds. In a dry atmosphere (RH<50%) vapours may cause irritation and lachrymatory effect.

12 ECOLOGICAL INFORMATION**DEGRADABILITY**

The product is biodegradable.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Polymerise by adding slowly to water (1:10). Dispose of as water insoluble non-toxic solid chemical in authorised landfill or incinerate under controlled conditions.

14 TRANSPORT INFORMATION

ROAD TRANSPORT NOTES	Not Classified
RAIL TRANSPORT NOTES	Not Classified.
SEA TRANSPORT NOTES	Not Classified.
AIR TRANSPORT NOTES	Not Classified.

15 REGULATORY INFORMATION**LABELLING**

Irritant

RISK PHRASES

R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASES

S23 Do not breathe vapour/spray.
 S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 P3 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

LOCTITE SUPER GLUE LIQUID

16 OTHER INFORMATION

INFORMATION SOURCES

Material Safety Data Sheet, Misc. manufacturers.

ISSUED BY

Technical Services Department, Winsford, Cheshire

REVISION DATE

15-09-2006

RISK PHRASES IN FULL

R36/37/38 Irritating to eyes, respiratory system and skin.

DISCLAIMER

Every effort has been made to ensure that this information is accurate and up to date. , Users are reminded that they should ensure that they have retained or internally circulated the most up to date copy as provided to the persons or work locations which require them. , No warranty is implied or given as to suitability for use for any activity which is not covered by either the technical data sheet or restrictions of use as above.