

CONSUMER MATERIAL SAFETY DATA SHEET
NAME OF PRODUCT: **Loctite Super Glue Professional 20g**
MSDS DATE: 01/13/2004

Maint Shop

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Loctite Super Glue Professional 20g
PRODUCT CODES: 01-06921
SUPPLIER: Henkel Consumer Adhesives.
ADDRESS: 32150 Just Imagine Drive
Avon, Ohio 44011

DOMESTIC EMERGENCY PHONE: Chemtrec 1-800-424-9300
In Canada Canutec 613-996-6666
OTHER CALLS: Regulatory Affairs 905-459-1140
FAX PHONE: Regulatory Affairs 905-459-8031
CHEMICAL FAMILY: Cyanoacrylates
PRODUCT USE: Consumer Product; Super Glue
PREPARED BY: S. Dhalla
MSDS PREPARATION DATE: 01/13/2004

SECTION 1 NOTES: Household Super Glue

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	%	CAS NO.	OSHA PEL	ACGIH TLV
Ethyl cyanoacrylate	60-100	7085-85-0	None	0.2ppm TWA

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: BONDS SKIN IN SECONDS
MAY CAUSE EYE AND RESPIRATORY IRRITATION
COMBUSTIBLE LIQUID AND VAPOR

ROUTES OF ENTRY: oral, dermal, inhalation
POTENTIAL HEALTH EFFECTS
EYES: Irritating to the eyes. Causes excessive tearing. Eyelids may bond.
SKIN: Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic reaction is rare. Cyanoacrylates generate heat on solidification. In rare circumstances, a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin.
INGESTION: Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.
INHALATION: Exposure to vapors above established exposure limit results in respiratory irritation which may lead to difficulty in breathing and tightness in the chest.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect, which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid cause abrasive damage.

SKIN: Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force.

INGESTION: Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent the patient from swallowing by separating mass.

INHALATION: Remove to fresh air. If discomfort persists seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: FLAMMABILITY: REACTIVITY: <2,2,1>

EXTINGUISHING MEDIA: Foam, CO₂, Dry chemical (B-C)

FLAMMABLE LIMITS IN AIR: Not determined

FLASHPOINT: 65C-93.4C (150F-200F)

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA).

HAZARDOUS DECOMPOSITION PRODUCTS: Trace amount of toxic or irritating fumes may be released and the use of breathing apparatus is recommended.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Ventilate area. Prevent product from entering the drains. Do not use cloth for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured materials can be disposed of as non-hazardous wastes.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors and cause thermal burns.

See label on product for use directions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Use positive downdraft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
RESPIRATORY PROTECTION:	Use NIOSH approved respirator if there is potential to exceed exposure limits..
EYE PROTECTION:	Chemical splash goggles or safety glasses with side shields.
SKIN PROTECTION:	Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear/Pale yellow Liquid.
ODOR:	Sharp, irritating.
PHYSICAL STATE:	Liquid
pH AS SUPPLIED:	Not applicable.
SPECIFIC GRAVITY (H ₂ O = 1):	1.075
SOLUBILITY IN WATER:	Polymerizes in presence of water.
EVAPORATION RATE:	Not available
BOILING POINT:	> 149C (300F)
VAPOR PRESSURE:	<0.2mm Hg
% VOC	20g/L (California SCAQMD Method 316B (estimated))

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under recommended storage conditions.
CONDITIONS TO AVOID:	Spontaneous polymerization.
HAZARDOUS POLYMERIZATION:	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
INCOMPATIBILITY:	Water, amines, alkalis and alcohols.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Acute oral LD₅₀ >5000mg/kg, rat (estimated). LD₅₀ >2000mg/kg, rabbit (estimated).

See also Section 3 Hazard Identifications.

SECTION 11 NOTES: Contact Regulatory Affairs if further information is required.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state or local regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Combustible liquids N.O.S (Cyanoacrylate ester)
HAZARD CLASS: 3
UN NUMBER: NA 1993
PACKING GROUP: III
EXCEPTIONS: (Not more than 450L) Unrestricted
MARINE POLLUTANT: None

NOTE: This product classifies as a Consumer Commodity due to its size and intended use. ORM-D

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)

PROPER SHIPPING NAME: Aviation regulated liquids N.O.S (Cyanoacrylate ester)
HAZARD CLASS: 9
UN NUMBER: UN3334
PACKING GROUP: III
EXCEPTIONS: (Not more than 500ml). Unrestricted.

WATER TRANSPORTATION (IMO/IMDG)

PROPER SHIPPING NAME: Unrestricted.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

This product has been labeled according to the Federal Hazardous Substances Act and the associated Consumer Product Safety Regulations.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: Information provided in this MSDS is intended to provide supplementary information for consumer uses of this product. This product is not intended for industrial uses.

Contact Regulatory Affairs for additional information

PREPARATION INFORMATION: Created and approved on 01/13/2004 by S.Dhalla

DISCLAIMER: The information appearing herein is furnished without express or implied warranty and is based upon tests and data believed to be accurate to the best knowledge of Henkel Consumer

Adhesives Inc. It is the user's responsibility to ensure that the product is handled safely and that the instructions for use are properly communicated and followed. Henkel Consumer Adhesives Inc. assumes no legal responsibility or liability for any use not in accordance with the use described in this MSDS or in the product labeling.