

Material Safety Data Sheet

Loctite 4851

Date of Preparation: June 7, 2011

Revision: 001

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Loctite 4851

Other Designations: 4850 Prism Medical Device instant adhesive

General Use: Securing screws in eyeglass frames

Distributor: Dynamic Labs, Inc.

30 Haynes CT

Ronkonkoma, NY 11779

Phone: 631-231-7474

(Emergency Phone Number): CHEMTREC: 1-800-424-9300, 1-703-527-3887

Section 2 - Composition / Information on Ingredients

Hazardous Ingredients	CAS Number	% wt
Ethyl Cyanoacrylate	7085-85-0	30- 60
N-Butyl Cyanoacrylate	6606-65-1	10-30

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethyl Cyanoacrylate	.2ppm TWA	N/A	N/A
N-Butyl Cyanoacrylate	NONE	N/A	None

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Clear Liquid

Target Organs: Skin, Eye and Lungs.

HMIS

H: 2

F: 2

R: 1

PPE⁸

⁸Sec.

Potential Health Effects

Primary Exposure Routes:

Eye: Irritating to eyes. Eyelids may bond.

Skin: Bond skin in seconds may cause irritation.

Ingestion: Not expected to be harmful by ingestion, Bonds in mouth.

Inhalation: Exposure to vapors above exposure limit may lead to difficulty in breathing.

Section 4 - First Aid Measures

Eyes: Flush with water for at least 15 minutes, get medical attention, do not force eye open.

Skin: Soak with warm soapy water, do not pull bonded skin apart, and get medical attention.

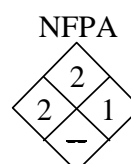
Ingestion: Product is almost impossible to swallow as it will solidify, prevent patient from swallowing separated mass.

Inhalation: Remove to fresh air; if discomfort persists seek medical attention.

Notes to Physician: Surgery is not necessary to separate bonded tissue, best treated by passive non-surgical first aid.

Section 5 - Fire-Fighting Measures

Flash Point: 80C – 93.4C



Auto ignition Temperature: N/D

LEL: N/D

UEL: N/D

General Information: Fire fighters should wear SCBA

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide.

Section 6 - Accidental Release Measures

General Information: ventilate area, prevent product from entering drains.

Spills/Leaks: Do not use cloths for mopping up, float with water and scrape off floor.

Regulatory Requirements: Cured material can be disposed of as non-hazardous waste.

Section 7 - Handling and Storage

Handling: Avoid contact with eye, skin and clothing, wash after handling.

Storage: keep in dry, well-ventilated area away from heat and flames. Keep container closed until ready for use.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use local ventilation if general ventilation cannot maintain vapor concentration below exposure limits.

OSHA Final PELs: None

Personal Protective Equipment

Eyes: Chemical goggles or safety glasses.

Skin: nitrile gloves and apron.

Respirators: Use NIOSH approved respirator if there is potential to exceed exposure limits.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance and Odor: Clear/Sharp
Vapor Pressure: <.2mm Hg
Vapor Density: Approximately 3
Formula Weight: NA
Specific Gravity: 1.06
pH: NA

Water Solubility: Polymerizes in water
Boiling Point: >149C
Freezing/Melting Point: N/D
Evaporation Rate: N/A
Viscosity: N/A

Section 10 - Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid:
Incompatibilities with Other Materials:
Hazardous Decomposition Products:
Hazardous Polymerization:

Section 11- Toxicological Information

Oral, rat: LD50 = >5000mg/kg

Section 12 - Ecological Information

Ecological information not known

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Not a RCRA hazardous waste.

Section 14 - Transport Information**DOT Transportation Data (49 CFR 172.101):**

Shipping Name:
Combustible Liquid,
n.o.s. (Cyanoacrylate
ester)
Hazard Class: 3
ID No.: NA 1993
Packing Group: None

Section 15 - Regulatory Information

EPA Regulations: NA

TSCA: All components are listed or are exempt from listing on the TSCA inventory

RCRA Hazardous Waste Number: NA

RCRA Hazardous Waste Classification: NA

SARA 311/312 Codes: Immediate health hazard, delayed health hazard, fire, reactive.

Section 16 - Other Information

Prepared By: Steven Zwerman, Vice President

Revision Notes: This revised version supercedes any earlier version of the MSDS.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty of any kind, expressed or implied. Dynamics Labs assumes no responsibility for any loss, damage or expense direct or consequential arising out of their improper use.