

Barristo Enterprises, Inc., dba SureHold®

SAFETY DATA SHEET

Helios Light Cure Adhesive, Low Viscosity

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Name Helios Light Cure Adhesive, Low Viscosity
 Part Number 2201
 Product Type Adhesive
 Company Barristo Enterprises, Inc. dba SureHold
 3717 N Ravenswood Avenue, Suite 243
 Chicago, IL 60613
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2. HAZARDS IDENTIFICATION

Main hazards Warning: Combustible liquid. Causes eye irritation.
 Primary Routes of Entry Skin, Eyes, Inhalation
 Signs and Symptom of Exposure **Skin contact** – redness, inflammation

Component	NTP	ACGIH	OSHA	IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen	----	----	----	----

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Conc.	CAS	ACGIH;TLV-TWA	OSHA PEL
2-Methoxyethyl Cyanoacrylate	>70-≤98%	27816-23-5	0.2ppm TWA	None
Hydroquinone	0.01 - <0.1%	123-31-9	1 mg/m ³ TWA	2 mg/m ³ TWA

4. FIRST AID MEASURES

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, soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a 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 wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will

Ingestion 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 cyanoacrylate trapped behind the eyelid cause any abrasive damage. Ensure that breathing passages are not obstructed. The product will polymerize immediately in the mouth making it impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

5. FIRE FIGHTING MEASURES

Extinguishing media	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Hazardous Product of Combustion	Carbon oxides, nitrogen oxides (NOx)
Special Firefighting Procedures	Firefighters should wear self-contained breathing apparatus for firefighting if necessary
Unusual Fire/Explosion Hazards	Use water spray to cool unopened containers.
Lower Explosive Limit	Not determined
Upper Explosive Limit	Not determined

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Remove all sources of ignition. For personal protection, see Section 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or open waters.
Cleanup methods:	Do not use cloth for mopping up. Flood with water to complete polymerization and scrape off the floor. Solid material can be disposed of as a non-hazardous waste.

7. HANDLING AND STORAGE

Handling	Ventilation (low level) is recommended when using large volumes. Use of dispensing equipment is recommended to minimize the risk of skin or eye contact. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Good industrial hygiene practices should be observed.
Storage	For optimum shelf life, store in containers under refrigerated conditions at 2-8°C (35.6 – 46.4°F)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.
Respiratory protection	Ensure adequate ventilation.
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Use impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Eye/face protection	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.
Odor	Odorless
Boiling point / range	74-76°C (165-169°F)
Flash point	No data available/Not applicable
pH	No data available/Not applicable
Density	1.06 g/cm ³

Melting point / range	No data available/Not applicable
Solubility in Water	Polymerizes in the presence of water
Viscosity	No data available/Not applicable
Vapor Pressure	No data available/Not applicable
Vapor Density (Air=1)	No data available/Not applicable
Evaporation Rate	No data available/Not applicable

10. STABILITY AND REACTIVITY

Reactivity	No data available/Not applicable.
Stability	Stable under recommended storage conditions.
Hazardous Polymerization	No data available/Not applicable.
Hazardous Decomposition Products	No data available/Not applicable.
Incompatible materials	Reducing agents, water, amines, alcohols, alkali metals, oxidizing agents.
Conditions to Avoid	Heat, flames and sparks.
Hazardous Products of Combustion	No data available.

11. TOXICOLOGICAL INFORMATION

Product toxicity data	Acute oral toxicity: No data available/Not applicable. Acute dermal toxicity: No data available/Not applicable.
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12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal	This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact licensed professional waste disposal service to dispose of this material.
Disposal of uncleaned packages	Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (49CFR 172)****US Department of Transportation – DOT – 49 CFR (Ground)**

Proper Shipping Name	Combustible liquids, n.o.s. (Cyanoacrylate ester)		
Hazard Class	Combustible liquid	Packaging Group	III
UN/ID Number	NA 1993		
Exceptions	(Not more than 450 liters) Unrestricted		

IATA (Air)

Proper Shipping Name	Aviation regulated liquid n.o.s (Cyanoacrylate ester).		
Class or Division	Class 9	Packaging Group	None
UN/ID Number	UN 3334		
Exceptions	(Not more than 500 ml) Unrestricted		

IMDG (Vessel)

Proper Shipping Name	Not regulated		
Hazard Class	None	Packaging Group	None
UN Number	None	Marine pollutant	None

15. REGULATORY INFORMATION

SARA Section 302 EHS	None.
Sara Sections 311/312	Immediate Health Hazard, Delayed Health, Fire and Reactive.
Sara Section 313	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): None.
California Proposition 65	No California Proposition 65 listed chemicals are known to be present.
TSCA 8 (b) Inventory Status	All components of this product are listed (or exempt) on the EPA TSCA Inventory.
TSCA 12 (b) Export Notifications	None above the reporting de Minimis.

16. OTHER INFORMATION

Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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