



MATERIAL SAFETY DATA SHEET

H-SG 2gr SUPERGLUE

Section I. Product Identification and Use

Manufacturer's Name: HY-POXY SYSTEMS, INC.

Address (Number Street): 5555 Export Blvd.

Address (City, State, Zip): Savannah, GA 31408 U.S.A.

Telephone Number: 843 363 5681 FAX: 843 363 5682

Emergency Telephone Number: CHEMTREC 1-800-424-9300 OUTSIDE U.S.A.: 703-527-3887

Hazardous Materials Description and proper shipping name (49 CFR 172.101): Not Regulated (Less than 450L) na1993, Combustible liquid, n.o.s. (cyanoacrylate ester), 3, III (More than 450L) IATA: Unrestricted (Not more than 500ml) UN3334, Aviation regulated liquid, n.o.s., (cyanoacrylate ester), 9 (More than 550ml).

TSCA Inventory: All of the ingredients are listed on the TSCA inventory.

HMIS Labeling: Health: 2 Flammability: 2 Reactivity: 1

Section II. Hazardous Ingredients / Identity Information

<u>Ingredients</u>	<u>CAS Numbers</u>	<u>%WW</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>
ETHYL CYANOACRYLATE	7085-85-0	60-100	N.E.	N.E.	None

Section III. Physical/ Chemical Characteristics

Boiling point (°F): >300DEG. F

Vapor pressure (mmHg) @ 20°C: <0.2mm

Specific Gravity: (H@)=1) 20Deg.C: 1.1 @80Deg.F

Weight per gallon: 13lbs.

Percent volatile by volume (%): 0

Vapor density (Air = 1): > 3

Evaporation rate (n-Butyl Acetate = 1): N.A.

Solubility in water: Polymerized by water
irritating odor.

Appearance and odor: Clear viscous liquid with a sharp

N.E. = Not established N.A. = Not applicable

Section IV. Fire and Explosion Hazard

Flash point (method used): > 185°F (PMCC) Flammable limits: Upper: N.E. Lower: N.E.

Extinguishing media: Use water fog, foam, carbon dioxide (CO2) or dry chemical

Special fire fighting procedures: Wear self-contained breathing apparatus and complete personal protective equipment. Remove all ignition sources. Use a water spray to cool fire exposed containers.

Unusual fire and explosive hazards: Possible exothermic reaction leading to substrate ignition and fume generation. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Toxic fumes will be evolved if this material burns.

N.E. = Not established N.A. = Not applicable



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Section V. Health Hazard Data

Threshold Limit Value: Ethyl Cyanoacrylate: 0.2ppm TWA ACGIH(TLV);none OSHA(PEL)

Primary route(s) of entry: Ingestion, skin absorption, inhalation, eyes

Health hazard/effects of over exposure:

Inhalation: Heated vapors may cause respiratory irritation. Remove to fresh air. If breathing is difficult, seek medical attention.

Eyes: . Irritating to eyes. May cause eyelids to bond.

Skin: may cause burns. May cause allergic reaction evidenced by rashes.

Ingestion: Not likely. The product will polymerize rapidly, adhering to the mouth. Ensure breathing passages are clear. Saliva will separate any solidified product within 2 days. Prevent accidental swallowing.

Chronic Effects of Overexposure: Prolonged contact with the skin may result in skin irritation and sensitization.

Carcinogenicity: This material is not considered to be carcinogenic by NTP, IARC or OSHA.

Mutagenicity (Ames Test): Both positive and negative results for CAS# 25068-38-6.

Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Pre-existing skin or lung allergies may increase the chance of developing increased allergy symptoms.

Emergency and first aid procedures:

Inhalation: In case of exposure to a high concentration of vapor or mist, remove person to fresh air. Get medical attention if effects persist. Administer oxygen if necessary.

Eyes: Flush with plenty of warm water for at least 15 minutes and seek immediate medical attention. Cyanoacrylate will bond to eye protein and cause a lachrymatory effect that will help de bond the adhesive.

Skin: Bonds skin in seconds. Remove contaminated clothing and wash contact area with soap and water. Wash clothing before reuse and discard contaminated leather articles. Get medical attention if swelling or reddening occurs. Peel or roll surface apart with aid of blunt edge. Do not pull apart with direct opposing action. If skin is burned by a large drop, (due to heat generated by the polymerization) seek medical help. If lips are accidentally bonded, apply warm soapy water, encourage maximum wetting and pressure from saliva inside the mouth and peel or roll lips apart.

Do not try to pull lips apart. Burns: Should be treated normally after the lump of cyanoacrylate is released from the tissue.

Ingestion: If appreciable quantities are swallowed, seek medical attention. Do not induce vomiting. Dilute by giving water or milk to drink if victim is conscious. Keep individual calm. See doctor as soon as possible.

Section VI. Reactivity Data

Stability: Stable Conditions to avoid: Excessive heat.

Incompatibility (Materials to avoid): Polymerized by contact with water,alcohol, amines and/or alkalis.

Hazardous decomposition products: None

Hazardous polymerization: May occur.



Section VII. Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Dike spill. Absorb with inert material and collect for disposal. Flush area with water. Prevent washings from entering waterways.

Waste disposal methods: Polymerize as above. Incinerate or use biological treatment in accordance with local, state and federal regulations. Dispose of as a hazardous waste according to local, state and federal regulations.

RCRA Hazardous Waste No.: N.A.

CERCLA Reportable Quantity: If this product becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.

SARA TITLE III Chemicals: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered under applicable definitions, to meet the following categories: An immediate health hazard. This product contains no ingredients subject to SARA Title III Section 313.

Section VIII. Control Measures

Respiratory Protection: None needed for normal use.

Ventilation: Local exhaust is recommended when appropriate to control employee exposure.

Mechanical is not recommended as the sole means of controlling employee exposure.

Protective gloves: For operations where contact can occur, wear impervious gloves (neoprene, nitrile). Do not use cotton gloves.

Eye protection: Chemical splash goggles or safety glasses with side shields.

Other protective equipment: Polyethylene/Polypropylene coats or aprons(not rubber or cotton).

A safety shower and eye wash facility should be available.

Work/hygienic practices: Wash hands with soap and water after use and/or before breaks, lunch and at the end of work

Section IX: Special Precautions:

Store at or below 75Deg.F to maximize shelf life.

Avoid breathing vapors. Avoid contact with skin or eyes.

Section X. Preparation Date of MSDS

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