



MATERIAL SAFETY DATA SHEET

(ESSENTIALLY SIMILAR TO FORM OSHA-20)

000735

Section I

GENA NAIL GLUE

| | | | |
|-----------------------------------------------------------------------------------------------|--|--------------------------------------------------------------|--------------------------------------|
| Manufacturer's Name Gena Laboratories | | Emergency Telephone Number 800-233-4362 | |
| Address (Number, Street, City, State and ZIP Code) 146 S. Cedar Ridge Waco, Texas 74137 | | Chemical Name and Synonyms Ethyl Cyanoacrylate/Super Glue | Trade Name and Synonyms NAIL GLUE |
| Chemical Family | | Formula | |

Section II - Hazardous Ingredients

| Paints, Preservatives, and Solvents | % TLV (Units) | | Alloys and Metallic Coatings | % TLV (Units) | |
|-------------------------------------|---------------|--|----------------------------------------|---------------|--|
| | | | | | |
| Pigments | | | Base Metal | | |
| Catalysts | | | Alloys | | |
| Vehicles | | | Metallic Coatings | | |
| Solvents | | | Filter Metal Plus Coating or Core Flux | | |
| Additives | | | Others | | |
| Other | | | | | |

Hazardous Mixtures of Other Liquids, Solids or Gases

| | | | % TLV (Units) | |
|-----------------------|----------------|-----|---------------|--------|
| Ethyl-2-cyanoacrylate | CAS# 7085-85-0 | 90% | TLV-TWA | 2 ppm* |

*Estimate-based on data for pure Methyl 1-2-cyanoacrylate. ACGIH 1983

Section III - Physical Data

| | | | |
|------------------------|----------------|---------------------------------------|-------------|
| Boiling Point (°F) | 140°F @ 3mmHg | Specific Gravity (H ₂ O=1) | 1.05 @ 68°F |
| Vapor Pressure (mm Hg) | 0.3 @ 68°F | Percent Volatile by Volume (%) | Nil |
| Vapor Density (AIR=1) | greater than 1 | Evaporation Rate | N/A |

Solubility in Water
polymerizes in water

Appearance and Odor
Transparent liquid, irritating odor

Section IV - Fire and Explosion Hazard Data

| | | | | |
|---------------------------|---------------------------|------------------|-----|-----|
| Flash Point (Method Used) | 167°F Setflash closed cup | Flammable Limits | LeI | Uel |
|---------------------------|---------------------------|------------------|-----|-----|

Extinguishing Media
CO₂, Dry Chemical, Water Fog* *if resulting polymerization will not be hazardous.*

Special Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes or inhalation of vapors. Over exposure to decomposition products may be a health hazard.

Unusual Fire and Explosion Hazards

cloths used to wipe up spill may cause rapid polymerization that could result in auto-ignition.

Exposure
Immediate bonding of skin, eyes or mouth may result upon contact. Vapors are irritating

to mucous membranes and the upper respiratory tract.

Emergency First Aid Procedures SKIN: Flush with plenty of water-then remove cured adhesive with hot, soapy water. Do not mechanically remove adhesive. EYES: Hold lid open and immediately flush with plenty of water-get medical attention. Vapors are Lachrymatory. INHALATION: remove to fresh air - give artificial respiration or oxygen if necessary - get medical attention. INGESTION: Immediate bonding of skin or mouth will result upon contact-get medical attention immediately.

Section V - Reactivity Data

| | | |
|-----------|-------------|--------------------------------------------------------------------------------------------|
| Stability | Unstable | Conditions to Avoid |
| | Stable X | High humidity, high temperatures, alkaline materials & other combinations including water. |

Incompatibility (Materials to Avoid) Water, see Hazardous Polymerization

Hazardous Decomposition Products
CO, CO₂, Oxides of Nitrogen, and other unknown hydrocarbons

| | | |
|--------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazardous Polymerization | May Occur X | Conditions to Avoid Contamination of adhesive w/ alkaline materials, peroxides or water can result in rapid polymerization w/ an uncontrollable rise in temperature and a buildup of pressure in a closed container |
| | Will Not Occur | |

Section VI - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled
SMALL: wipe up with cloth. Immediately soak cloth with water to polymerize adhesive.
Caution: Cloth containing adhesive may undergo auto-ignition if not soaked with water.
LARGE: flood area with water. When cured, remove cured film with scraper. Wear NIOSH approved respirator for organic vapors or self-contained breathing apparatus, if needed, and protective clothing.

Waste Disposal Method

Incinerate, or solid adhesive can be landfilled in accordance with all applicable Federal, State, and Local environmental regulations. Do not pour down the drain.

Section VII - Special Protection Information

Respiratory Protection (Specify Type)
Under normal use, not needed

| | | |
|-------------|---------------------------------------------------------------------|---------|
| Ventilation | Local Exhaust should not be used to control vapors in work area. | Special |
| | Mechanical (General) | Other |

Protective Gloves
Polyethylene gloves. Do not wear rubber or cloth. Eye Protection
Safety glasses must be worn

Other Protective Equipment
Eye bath and washing facilities should be available

Section IX - Special Precautions

Precautions to be Taken in Handling and Storage
Store in cool and dry place. Keep away from heat and open flame. Use with adequate ventilation. Avoid contact with skin or clothing.

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