

Material Safety Data Sheet
Prod. No. 14430, Aron Alpha #221
Issue Date (07-22-91)

Section 1: Product and Company Identification

Product Name: Aron Alpha #221

Chemical Name: Ethyl 2-Cyanoacrylate
Product Type: Ethyl Extra Speed Adhesive
CAS No.: 7085-85-0
DOT Classification: Combustible (containers less than 110 gallons unregulated)

Company Name

Flexite Company
40 Roselle Street
Mineola, New York 11501

Section 2 Physical Data:

Boiling Point (6mm Hg): 65°C
Freezing Point: Not available
Specific Gravity (H₂O=1): 1.05
Evaporation Rate, (n-BUAC=1): <1
Percent Volatiles: Negligible
pH at 25°C: Not available
Vapor Pressure (mm Hg): 0.17mm Hg (20°C)
Vapor Density (Air=1): >1
VOC Calculated: Negligible
Solubility in water : Negligible
Coefficient of water/oil Distrib.: Not Applicable
Appearance: Colorless liquid
Odor: Irritating

Odor Threshold, PPM: Not available **Section 3 Hazardous Ingredients Data:**

The ingredients below have been associated with one or more of the listed immediate and/or delayed (*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING OR HANDLING, READ AND UNDERSTAND THE MSDS.

Signal Word CAUTION!

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

Ethyl 2-cyanoacrylate:

OSHA PEL: None established

ACGIH TLV: None established

Carcinogen: Not listed by NTP, IARC or OSHA as of date of issuance of this document.

Chemical Hazard Rating: Health=2 (moderate), Fire=2(moderate),
Reactivity=1 (slight)

Section 4 Fire and Explosion Hazard Data:

Combustible. Keep away from heat and flame.

Flash Point: 83°C

Auto Ignition Temp.: Not available

Flammable Limits (% by vol.): LEL 1.7; UEL No data

Fire Extinguishing Media: water spray, dry chemical, foam or CO₂. Use water to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards: None known

Section 5 Immediate Health Hazard Data:

Inhalation: May be harmful if inhaled. Liquid or vapor may cause irritation of nose, throat and lungs.

Skin: Bonds skin instantly.

Skin Absorption: No hazards known

Eyes: Causes irritation

Ingestion: No hazards known

Section 6 Emergency First Aid Procedures:

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

Ingestion: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

Skin Contact: If skin bonding occurs, peel, do not pull apart; soak in nail polish remover containing acetone if necessary.

Eye Contact: If eye contact occurs, flush with water only for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye and its surroundings.

Section 7 Reactivity Data:

Stability: Normally stable, but may become unstable at high temperatures or may react with water.

Hazardous Polymerization: Will not occur.

Incompatibilities: Water, alcohols, amines, bases and direct UV.

Hazardous Decomposition Products: Oxides of Carbon

Other Hazards: None known

Section 8 Control Measures:

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

Engineering Controls: The following exposure control techniques may be used to effectively minimize employee exposure; local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

Section 9 Personal Protection Information:

Protective Gloves: Wear impervious gloves as required to prevent skin contact.

Eye Protection: Use goggles if contact is likely.

Section 10 Spill or Leak Procedures:

Eliminate all ignition sources.

Soak up with absorbent material and remove to a chemical disposal area.

Prevent entry into natural bodies of water.

Section 11 Waste Disposal:

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.

Empty Container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

Section 12 Handling Precautions:

Inhalation: Avoid breathing vapor.

Use with adequate ventilation.

Skin: Avoid contact with skin.

Eyes: Avoid contact with eyes.

Handle in accordance with good industrial hygiene and safety practices.

These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.

Wash thoroughly after handling.

Section 13 Storage Precautions:

Keep away from amines.

Store in cool, dry area away from sun and heat.

Keep containers tightly closed.

Exposure to small amounts of moisture, even moisture in air, causes polymerization and renders the product unusable.

Keep away from heat, sparks, flame and other ignition sources.

Flexite Company makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.