

Section 1. Identification

**GHS Product Identifier/
Trade Name** : Aron Alpha Type 202F

**Relevant Identified Uses of
the Substance or Mixture** : Adhesive

Supplier : The D.S. Brown Company
300 East Cherry Street
North Baltimore, Ohio 45872
419-257-3561

In Case of Emergency : Chemtrec 1-800-262-8200 International 01-703-741-5500

Section 2. Hazards Identification

**Classification of the
Substance or Mixture** : **Classification according to 1910.1200:**

Flammable Liquids	Category 4
Serious Eye Damage/Eye Irritation	Category 2A
Skin Sensitization	Category 1A
Reproductive Toxicity	Category 2
Specific Toxic Organ Toxicity - Single Exposure (STOT-SE)	Category 3 Respiratory Tract Irritation

Label Elements

Hazard Pictograms



Signal Word

: **Warning**

Hazard Statements

: Combustible liquid.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May cause an allergic skin reaction or respiratory irritation.

Precautionary Statements Prevention

: Avoid breathing vapors.
Obtain special instructions before use.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Keep away from flames and hot surfaces. **No smoking.**
Wear protective gloves and eye protection.
Contaminated work clothing must not be allowed out of the workplace.
Do not handle until all safety precautions have been read and understood.

Section 2. Hazards Identification *cont'd.*

Precautionary Statements Response

- In Case of Fire** : Use dry chemical or carbon dioxide (CO₂) to extinguish.
- If On Skin** : Wash with plenty of water.
- If In Eyes** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If Eye Irritation Persists** : Get medical advice/ attention.
- If Inhaled** : Remove person to fresh air and keep comfortable for breathing.
- If Skin Irritation or Rash Occurs** : Get medical advice/attention.
Remove contaminated clothing and wash before reuse.
- If Exposed or Concerned** : Get medical advice/attention.
Call a poison control center or doctor if you feel unwell.

Storage : Store in a cool, well-ventilated place and keep containertightly closed.
Store locked up.

Disposal : Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards Not Otherwise Classified : Lachrymator
Rapid polymerization will occur on skin with heat. If a quantity is large, skin burn may occur.

Section 3. Composition/Information on Ingredients

Chemical Characterization : Mixtures

Description : Mixture

Chemical Name	Common Name/Synonyms	CAS No.	Concentration %
Ethyl-2-Cyanoacrylate	-	7085-85-0	>95
2,2'-Methylenebis(6-tert-butyl-4-Methylphenol	-	119-47-1	<0.2

*Nonhazardous ingredients are not listed and make up the balance of the product.

Section 4. First Aid Measures

DESCRIPTION OF FIRST AID MEASURES

Ingestion	: Ensure airways are not obstructed. The product will polymerize upon contact with the mouth and be almost impossible to swallow. Saliva will slowly separate the product from the mouth. Do not induce vomiting. Immediately contact poison control center or hospital emergency room.
Inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.
Skin	: Wash material off the skin with plenty of water. If skin bonding occurs, soak in nail polish remover, acetone or warm water and carefully peel or roll the skin apart (do not pull).
Eyes	: If eye contact occurs, hold eyelid open and rinse thoroughly but gently with only water for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye and its surroundings. Liquid glue will sting eye temporarily. Solidified glue may irritate like a grain of sand and should be treated by an eye doctor.
Most Important Systems and Effects, Both Acute and Delayed	: The most important symptoms or effects are described in Section 2 and 11.
Indication of Any Immediate Medical Attention and Special Treatment Needed	: No data available.

Section 5. Fire-Fighting Measures

EXTINGUISHING MEDIA

Suitable	: Use dry chemical, water spray or carbon dioxide (CO ₂) to extinguish fire.
Unsuitable	: No data available.
Special Hazards Arising From the Chemical	: Carbon oxides, nitrogen oxides.

ADVICE FOR FIREFIGHTERS

Protective Equipment	: Self-contained breathing apparatus with face piece and protective clothing if involved in a fire of other materials.
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Section 6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal : Use personal protective recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personal. Avoid breathing vapors
Ventilate area. Eliminate all sources of ignition.

ENVIRONMENTAL PRECAUTIONS

Environmental : Prevent entry into natural bodies of water.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP

Containment : Material may be taken up on sand or clay absorbent. Wipe and soak up with an absorbent material and remove to a chemical disposal area.

Clean-Up : Eliminate all sources of ignition. Keep absorbent in a suitable, closed container dispose of according to local regulations.

Section 7. Handling and Storage

Precautions for Safe Handling : Bonds skin instantly.
Keep away from skin and eyes.
Avoid breathing vapors.
Keep away from ignition sources.
Prevent build up of electrostatic charge.
Wash thoroughly after handling.

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Requirements To Be Met By Storerooms and Receptables : Store in a cool, dry area away from sun and heat.
Keep containers tightly closed.
Exposure to small amounts, even air, causes polymerization and render the product unusable.
Keep away from heat, sparks, flames and other ignition sources.

Incompatibilities : Keep away from amines.

Section 8. Exposure Controls/Personal Protection

Exposure Guidelines	Component	NIOSH		ACGIH TWA	OSHA PEL	Units
		TWA	STEL			
	Ethyl-2-Cyanoacrylate	N.E.	N.E.	1	N.E.	mg/m ³
	N. E. = Not Established					
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.					
Personal Protection Equipment						
Eye/Face Protection	: Wear safety goggles.					
Skin Protection	: Wear impervious gloves as required to prevent skin contact.					
Respiratory Protection	: Where air contaminants can exceed criteria, use NIOSH-approved respiratory protection equipment.					

Section 9. Physical and Chemical Properties

Appearance	: Clear, colorless liquid.
Odor	: Irritating
Odor Threshold	: No data available.
pH	: No data available.
Melting Point/Freezing Point	: -29°C/-20°F
Initial Boiling Point and Boiling Range	: 62°C/144°F
Flash Point	: 83°C/181°F
Evaporation Rate	: No data available.
Flammability	: No data available.
Upper/Lower Flammability or Explosive Limits	: No data available.
Vapor Pressure	: 0.13 (mmHg @ 20°C), 17.33 (Pa @ 20°C)
Vapor Density	: >1
Relative Density	: 1.05 g/cm ³ (Water = 1 @ 25°C)
Solubility	: Insoluble in water (causes rapid polymerization)
Partition Coefficient	: No data available.
Auto-Ignition Temperature	: No data available.
Decomposition Temperature	: No data available.
Viscosity	: 85 cps @ 25°C
VOC content	: 0 g/L (SCAQMD Method 316B)

Section 10. Stability and Reactivity

Reactivity	: No data available.
Chemical Stability	: Stable under recommended storage conditions.
Possibility of Hazardous Reactions	: No data available.
Conditions to Avoid	: High humidity, high temperatures, ultraviolet rays.
Incompatible Materials	: Water, alcohol, basic compounds such as amines.
Hazardous Decomposition Products	: CO, CO ₂ , Nitrogen oxides.

Section 11. Toxicological Information

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Inhalation	: May cause irritation.
Ingestion	: May be harmful if swallowed.
Skin	: Bonds skin instantly. May cause an allergic skin reaction.
Eye	: Causes serious eye irritation.
Symptoms Related to Physical and Chemical and Toxicological Characteristics	: No data available.
Delayed and Immediate Effects and Also Chronic Effects from Short- and Long-Term Exposure	: No data available.
Numerical measures of toxicity	: No data available.
Carcinogenicity	: This product contains a component that has been reported to possibly be carcinogenic based on its classification.
NTP	: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
IARC	: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
OSHA	: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
ACGIH	: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Section 12. Ecological Information

Ecotoxicity	: No data available.
Persistence and Degradability	: No data available.
Bioaccumulative Potential	: No data available.
Mobility in Soil	: No data available.
Other Adverse Effects	: No data available.

Section 13. Disposal Considerations

Recommendation	: Disposal should be in accordance with applicable local, regional and national laws and regulations.
Contaminated Packaging	: Dispose of as unused product.

Section 14. Transport Information

UN number	: Not a dangerous good.
UN proper shipping name	: Not applicable.
Transport hazard class(es)	: Not applicable.
Environmental hazards	: No data available.
Transport in bulk	: No data available.
Special precautions	: No data available.

Section 15. Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR SUBSTANCE/MIXTURE

SARA Title III

Section 311/312	: Fire hazard : Immediate Health Hazard
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Section 313 and 40 CFR Part 372	: This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
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None required per SARA Title III Section 313.

TSCA Section 8(b) Inventory	: All reportable chemical substances are listed on the TSCA inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.
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Section 15. Regulatory Information *cont'd.*

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR SUBSTANCE/MIXTURE

Canadian Regulations

Workplace Hazard Materials Information System (WHMIS)

: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the SDS contains all the information required by the CPR.

Class B, DIV 3

Class D, DIV 2A

Class D, DIV 2B

Canadian Environmental Protection Act (CEPA)

: All reportable chemical substances are listed on the Domestic Substance List (DSL) or otherwise comply with CEPA new substance notification requirements.

National Pollutant Release Inventory

: This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16 (1), National Pollutant Release Inventory.

Section 16. Other Information

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, The D.S. Brown Company makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will The D.S. Brown Company or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

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HMIS Rating : Health - 2
Flammability - 2
Physical Hazard - 1

0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe