Section 1: Identification

Product Identifiers

Product name ***Aron Alpha Type 221***
Product number ***AA432, 433, 471, 503, 571, 592, 830***

Recommended use of & restrictions on use
Adhesive

Emergency telephone number
CHEMTREC (800) 424-9300

Manufacturer's Information

Manufacturer's Name

Toagosei America Inc.
1450 West Main Street
West Jefferson, OH 43162

Telephone: (614) 879-9411

Section 2 – Hazard 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

Pictograms



Health hazard



Exclamation mark

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.

Response

In case of fire: Use dry chemical or carbon dioxide (CO_2) 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 container tightly 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 Name	Common Name/Synonyms	CAS Number	Concentration %
Ethyl-2-Cyanoacrylate		7085-85-0	>99
2,2'-Methylenebis(6-tert-butyl-4-methylphenol)		119-47-1	<0.2

*Non hazardous 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 induct 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 symptoms/effects, acute and delayed

The most important symptoms or effects are described in Section 2 and 11.

Indication of immediate medical attention & 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

Special protective equipment and precautions for fire-fighters – Self-contained breathing apparatus with face piece and protective clothing if involved in a fire of other materials.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

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

Prevent entry into natural bodies of water.

Methods and materials for containment and clean up

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 and 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

Store in a cool, dry area away from sun and heat. Keep containers tightly closed. Exposure to small amounts, even air, causes polymerization and renders 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	OSHA	Units
	TWA	STEL	TWA	PEL	
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 protective 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

a) **Appearance:** Clear, colorless liquid
b) **Odor:** Irritating
c) **Odor threshold:** No data available
d) **pH:** No data available
e) **Melting point/freezing point:** -21˚C/-6˚F
f) **Initial boiling point and boiling range:** 62˚C/144˚F
g) **Flash point:** 83˚C/181˚F
h) **Evaporation rate:** No data available
i) **Flammability:** No data available
j) **Upper/lower flammability or explosive limits:** No data available
k) **Vapor pressure:** 0.13 (mmHg @ 20˚C), 17.33 (Pa @ 20˚C)
l) **Vapor density:** >1
m) **Relative density:** 1.05 g/cm^3 (Water = 1 @ 25˚C)
n) **Solubility:** Insoluble in water (causes rapid polymerization)
o) **Partition coefficient:** No data available
p) **Auto-ignition temperature:** No data available
q) **Decomposition temperature:** No data available
r) **Viscosity:** 2 cps @ 25˚C
s) **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, chemical and toxicological characteristics

No data available.

Delayed and immediate effects & also chronic effects from short & long term exposure

No data available.

Numerical measures of toxicity

No data available.

Carcinogenicity

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

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

US Federal Regulations

SARA Title III: Section 311/312

Fire hazard
Immediate Health Hazard

SARA Title III: Section 313 & 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.

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.

California Prop. 65

WARNING: This product can expose you to chemicals including sulfur dioxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov/

Ingredient	CAS Number
Sulfur dioxide	7446-09-5

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 Ace (CEPA) subsection 16 (1), National Pollutant Release Inventory.

None

Section 16 – Other Information

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