

Material Safety Data Sheet



Issue date: 10/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Arizona Archery Fastset Gel Superior Nock and Vane adhesive	Item No: 25398
Product type: Cyanoacrylate	Region: United States
Restrictions of Use: None identified	Contact information:
Company Address: Arizona Archery Enterprises, Inc. 2781 N. Valley View Drive Prescott Valley, Az. 86314	Telephone (928) 772-9887 MEDICAL EMERGENCY PHONE: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 Transport Emergency phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.arizonaarchery.com

2. HAZARDS IDENTIFICATION

EMERGENCY IDENTIFICATION	
WARNING:	BONDS SKIN IN SECONDS COMBUSTABLE LIQUID CAUSES EYE IRRITATION MAY CAUSE RESPIRATORY IRRITATION

Hazard Class	Hazard Category
Flammable Liquid	4
Eye Irritation	2B
Specific target organ toxicity – single exposure	3

PICTOGRAM(S)



Prevention:

Keep away from heat, sparks, open flames, hot surfaces - no smoking. Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection, and face protection.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Call a poison control center or physician if you feel unwell. If eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up

Disposal:

Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage *
Ethyl 2-cyanoacrylate	7085-85-0	60-100
Filler	Proprietary	5 – 10
Thickner	Proprietary	5 - 10

*Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.
Skin Contact:	Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force.
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help debond the adhesive. Keep eye covered until the debonding is complete, usually within 1-3days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.
Ingestion:	Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent patient from swallowing any separated mass.
Symptoms:	See Section 11.
Notes to physician:	Surgery is not necessary to separate accidentally bonded tissues. Experience has shown that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide
Special firefighting procedures:	Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.
Unusual fire or explosion hazards:	Not available.
Hazardous combustion products:	Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Do not allow product to enter sewer or waterways

Clean-up methods: Do not use cloths for mopping. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors, and cause thermal burns.

Storage:

Keep in a cool, well-ventilated area away from heat, sparks and open flame. Keep contained tightly closed until ready for use.

For information on product shelf life contact Arizona Archery Enterprises Customer Service at (928) 772-9887

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ethyl; 2-cyanoacrylate	0.2 ppm TWA	None	None	None
Filler	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None
Thickener	None	None	None	None

Engineering controls:

Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying or product exists.

Skin Protection:

Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Gel
Color:	Clear
Oder:	Irritating
Oder Threshold:	1 - 2 ppm
pH:	Not applicable
Vapor pressure:	Less than 0.2 mm Hg
Boiling point/range:	Greater than 149°C (300°F)
Melting point/range:	Not available
Specific gravity:	1.05
Vapor density:	3
Flash point:	80 - 93°C (176°F – 199.4°F) Tagliabue closed cup
Flammable/Explosive limits – lower:	Not available
Flammable/Explosive limits – upper:	Not available
Autoignition temperature:	485°C (905°F)
Evaporation rate:	Not available
Solubility in water:	Polymerizes in presence of water
Solubility in water:	Polymerizes on contact with water
Partition coefficient (n-octanol/water):	Not available
VOC content:	Less than 2%; 20g/L (California SCAQMD Method 316B) (estimated)
Viscosity:	Not available
Decomposition temperature:	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions
Hazardous reactions:	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis, and alcohols.
Hazardous decomposition products:	None
Incompatible materials:	Water, amines, alkalis and alcohols.
Reactivity:	Not available
Conditions to avoid:	Spontaneous polymerization

11. TOXICOLGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes
Potential Health Effects/Symptoms	
Inhalation	May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest.
Skin contact:	Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reactions but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin.
Eye contact:	Irritating to the eyes. Causes excessive tearing. Eyelids may bond.
Ingestion:	Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Ethyl 2-cyanoacrylate	None	Irritant, Allergen, Respiratory
Filler	None	Irritant
Thickener	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl 2-cyanoacrylate	No	No	No
Filler	No	No	No
Thickener	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information:	Not Available
--------------------------------	---------------

13. DISPOSAL CONSIDERATION

Information provided is for unused product only.

Recommended method of disposal:	Dispose of in accordance with Federal, State and local regulations.
Hazardous waste number:	Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name:	Combustible liquids, n.o.s. (Cyanoacrylate ester)
Hazard class or division:	3
Identification number:	NA 1993
Packing group:	None
Exceptions:	(Not more than 450 Liters) Unrestricted
Marine pollutant:	None

International Air Transportation (ICAO/ATA):

Proper shipping name:	Aviation regulated liquids, n.o.s. (Cyanoacrylate ester)
Hazard class or division:	9
Identification number:	UN 3334
Packing group:	None
Exceptions:	(Not more than 500ml) Unrestricted

Water Transportation (IMO/IMDG):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None
Marine pollutant:	None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substance Control Act Inventory
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS:	None above reporting de minimis
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard, Fire, Reactive
CERCLA/SARA Section 313:	None above reporting de minimis
California Proposition 65:	This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status:	Contains one or more components listed on the Non-Domestic Substances list. All other components are listed on or are exempt from the listing on the Domestic Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
----------------------	--

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format

Prepared by:	Regulatory Affairs
Issue Date:	10/06/2014

Disclaimer: The data contained herein are furnished for information only and are believed to be reliable. However, AAE, Inc. and its affiliates does not assume responsibility for any results obtained by persons over whose methods AAE, Inc. has no control. It is the user's responsibility to determine the suitability of AAE's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any AAE products. In light of the foregoing, AAE specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of AAE products AAE further disclaims any liability for consequential or incidental damages of any kind, including lost profits.