Safety Data Sheet

1. COMPANY AND PRODUCT IDENTIFICATION

iLoveToCreate
5673 East Shields Avenue
Fresno, CA 93727
559-291-4444, 559-291-9444 (Fax)
www.aleenes.com, www.ilovtocreate.com

EMERGENCY TELEPHONE NUMBERS
Health Emergencies:
559-291-4444 7:00 am – 3:30 pm Pacific Std. Time
Spill and Off-Hour Health Emergencies:
800-424-9300 U.S. and Canada
703-527-3887 Outside U.S. and Canada (Collect)

Product Name: **Aleene's Jewelry & Metal Glue**
Item no. 21709: Aleene's.7 oz. Jewelry & Metal Glue
Item no. 29131: Aleene's Jewelry & Metal Glue 3-pk
Item no. 38903: Aleene's Jewelry & Metal Glue-3 pk
Product Use/Description: Cyanoacrylate Adhesive
Recommended Use: Adhesive intended for use with jewelry and metal crafting.

2. HAZARDS IDENTIFICATION

Classification:	Skin corrosion/irritation - category 2 Serious eye damage/eye irritation - category 2A Specific target organ toxicity, single exposure – category 3, respiratory tract irritation *Full text of H statements: see section 16.*
Health & Physical Hazard Statement(s):	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Other hazards (which do not result in classification):	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children. Contact with skin through cellulose-based fabrics (i.e. cotton, rayon, linen, viscose) generates heat and may cause burns.
Signal Word:	Warning
Precautionary Statement(s):	Avoid breathing fume/vapors. Use only outdoors or in a well-ventilated area. Wear eye protection, protective gloves. IF ON SKIN: Wash with plenty of soap and water. 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 preset and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, and international regulation.
Pictogram(s) by GHS:	
Unknown Acute Toxicity (GHS US):	Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Detailed formulation is submitted by the client and it is proprietary information.

Reportable ingredients of mixture (if applicable):

Substance/Composition:	CAS Number:	Percentage/Range:
Ethyl-2-cyanoacrylate	7085-85-0	≥75 - <90%

4. FIRST AID MEASURES

General Advice:	If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.
On Inhalation:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If

	symptoms persist, consult a doctor.
On Skin Contact:	Cyanoacrylates bond skin in seconds. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Do not remove clothing if it sticks to the skin. Do not pull solidified product away from the skin. Any bonded skin should be gently separated, preferably after soaking in warm, soapy water. In the case of large spills on the skin, superficial burns.
On Eye Contact:	Cyanoacrylates bonds the eyelids in seconds. Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If the eyelid is bonded closed, do not force it open. Cover the eye with a wet dressing soaked in warm water. Get prompt medical attention if there is a possibility of solid particles of cured cyanoacrylate getting trapped behind the eye, as there is a possibility of causing abrasive damage. . The affected eye should be covered with wet dressing until the separation process is complete, usually 1-3 days.
On Ingestion:	The product will polymerize immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Make sure the airways are not obstructed. Saliva will separate the solidified product from the mouth within a few hours. . If symptoms persist, consult a doctor.
Acute/Delayed Symptoms:	

Potential Adverse human health effects and symptoms:	Certain reactions were observed for sensitive people.
Expected Symptoms /Effects, Acute and Delayed:	Bonds skin and eyes in seconds.
Symptoms/effects:	May cause respiratory irritation. Causes serious eye irritation.
Symptoms/effects after inhalation:	May cause respiratory irritation.
Symptoms/effects after skin contact:	Cyanoacrylates bond skin in seconds, skin irritation and erythema.
Symptoms/effects after eye contact:	Causes serious eye irritation, redness, itching, tears.
Symptoms/effects after ingestion:	The product will polymerize immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.
Most Important Symptoms /Effects:	Bonds skin and eyes in seconds.

Immediate Medical Attention and Special Treatment, if necessary:	An eyewash station to Standard Z358.1-2014 should be available on the (workplace) premises. Do not pull apart any bonded skin.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media:	Alcohol-resistant foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media:	Polymerizes on exposure to water (moisture) - high volume water jet or water-based extinguishing media.

Protection of Firefighters

Specific hazards arising from the chemical:	Fire hazard:	Combustible liquid.
	Reactivity in case of fire:	Polymerizes on exposure to temperature rise: pressure build-up may cause closed container to burst. Polymerizes on exposure to water (moisture). Do not allow water to enter the vessels, a violent reaction may occur.
	Hazardous decomposition products in case of fire:	Combustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).
Special protective	Firefighting	Exercise caution when fighting any chemical fire. Fight fire with

equipment and precautions for fire fighters:	instructions	normal precautions from a reasonable distance. Cool tanks/drums with water spray/remove them into safety.
	Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection. Avoid contact with eyes, skin and clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	General measures:	Eliminate every possible source of ignition. Ensure adequate ventilation. Avoid all contact with skin, eyes, or clothing.
	For non-emergency personnel	
	Protective equipment:	Individual protection measures, such as personal protective equipment (PPE). Gloves. Safety glasses.
	Emergency procedures:	Do not breathe vapors. Avoid contact with skin and eyes.
	For emergency responders	
	Protective equipment:	Do not attempt to take action without suitable protective equipment. Safety glasses. EN 166. Protective gloves. EN 374-2.
	Emergency procedures:	Evacuate unnecessary personnel. Eliminate ignition sources. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. Contain the spilled material by bunding.
Environmental Precautions:	Do not allow water (or moist air) contact with this material. Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.	
For containment Methods for Cleaning Up:	Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. (Do not use cloths; rags or materials made from cellulose fibers). Place in an appropriate container and dispose of the contaminated material at a licensed site. The product can be polymerized slowly with water (10:1, adhesive: water). Cured product can then be disposed of in land-fill sites by licensed contractors.	
Reference to other sections:	See Heading 8. Exposure controls and personal protection. For further information refer to section 13.	

7. HANDLING AND STORAGE

Precautions for safe handling:	Precautions for safe handling	Avoid contact of substance with water. Keep away from sources of ignition - No smoking. Do not get in eyes, on skin, or on clothing. Ensure that there is a suitable ventilation system. Do not handle in a confined space. Ambient humidity should be greater than 35% to minimize discomfort.
	Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Conditions for safe storage, including and incompatibilities:	Technical measures	Keep in a cool, well-ventilated place away from heat. Keep away from water or moist air. Keep out of direct sunlight.
	Storage conditions	Keep container tightly closed. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store away from the following materials: Amines.
	Incompatible products	Amines. Oxidizing agents. Alkali metals. Water. Strong bases. Strong acids. Alcohols.
	Incompatible materials	Sources of ignition. Direct sunlight. Water, humidity.
	Storage temperature	2 – 25 °C
	Storage area	For optimum shelf-life, it is recommended to keep the product in a refrigerated storage area.
	Packaging materials	Store always product in container of same material as original container.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical Name	ACGIH TLA	OSHA PEL	NIOSH REL
Ethyl-2-cyanoacrylate 7085-85-0	0.2 ppm [2017]	0.2 ppm (1.02 mg/m³)	Not established

Appropriate Engineering Controls: Ensure all national/local regulations are observed. Avoid all unnecessary exposure. Provide adequate general and local exhaust ventilation.

Individual Protection measures, such as PPE (Personal Protective Equipment):

Personal protective equipment:

Safety glasses. EN 166. Gloves. EN 374-2.

Materials for protective clothing:

Do not wear protective clothing based on cellulose fibers (e.g. cotton, linen, viscose). Keep suitable chemically resistant protective clothing readily available for emergency use.

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)
Reusable gloves	Nitrile rubber (NBR), Fluoroelastomer (FKM), Viton® II	5 (> 240 minutes)	<0.5

Eye protection:

Safety glasses

Type	Field of application	Characteristics
Safety glasses	Droplet	With side shields

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Device	Filter type	Condition
Reusable half mask	Type A – High-boiling (>65°C) organic compounds	If conc. In air > exposure limit

Other information:

Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Liquid Gel / Clear, colorless gel
Color:	Colorless
Odor:	Acrid
Odor Threshold:	No data available
pH:	No data available
Boiling Point/Range:	214 °C 100.3 kPa
Melting Point/Range:	-31°C (-23.8°F)
Flash Point:	129°C (264.2°F)
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility(ies):	Soluble in acetone. Polymerizes on exposure to water (moisture). Water: 24 µg/l @ 20 °C & pH 6.6
Vapor Pressure:	≈ 0.4 mm Hg @20 °C / 68 °F
Relative Density:	≈ 1.04
Viscosity:	Viscosity, kinematic: No data available Viscosity, dynamic: 50000 – 90000 cP Thixotropic behavior

Partition Coefficient (n-octanol/water), if applicable:	0.776 @ 22 °C & pH 6.3
Explosive Properties:	No data available
Flammability: (Solid, gas)	No data available
Flammability Limit in Air: Upper/Lower	No data available
Auto-ignition temperature:	480 °C 101.3 kPa
Decomposition temperature:	No data available

10. STABILITY AND REACTIVITY	
Reactivity:	No dangerous reactions known under normal conditions of use.
Chemical Stability:	Combustible liquid. Polymerizes on exposure to water (moisture). Hardening time: < 50 Seconds.
Possibility of Hazardous Reactions:	Hazardous polymerization may occur if exposed to high temperature.
Conditions to avoid:	Direct sunlight. High temperature. Water, humidity.
Incompatible Materials:	Amines. Strong oxidizing agents. Strong acids. Strong bases.
Hazardous Decomposition Products:	Combustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity (oral):	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal):	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation):	Not classified (Based on available data, the classification criteria are not met)

Polymethyl Methacrylate (9011-14-7)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)

Silicones and siloxanes, dimethyl-,reaction products with silica (67762-90-7)	
LD50 oral rat	> 1000 mg/kg (Rat, Oral)
LD50 dermal rat	> 2000 mg/kg (Rat, Dermal)
ethyl-2-cyanoacrylate (7085-85-0)	
LD50 oral rat	> 5000 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Skin, 14 day(s))

Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure:	May cause respiratory irritation.

ethyl-2-cyanoacrylate (7085-85-0)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard:	Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic:	No data available
Potential Adverse human health effects and symptoms:	Certain reactions were observed for sensitive people.
Expected Symptoms/Effects, Acute and Delayed:	Bonds skin and eyes in seconds.

Symptoms/effects:	May cause respiratory irritation. Causes serious eye irritation.
Symptoms/effects after inhalation:	May cause respiratory irritation.
Symptoms/effects after skin contact:	Cyanoacrylates bond skin in seconds. Skin irritation and erythema.
Symptoms/effects after eye contact:	Causes serious eye irritation. Redness, itching, tears.
Symptoms/effects after ingestion:	The product will polymerize immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.
Most Important Symptoms/Effects:	Bonds skin and eyes in seconds.

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

12.1. Toxicity Ecology – general:	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Ecology – water:	Polymerizes on exposure to water (moisture)

Silicones and siloxanes, dimethyl-,reaction products with silica (67762-90-7)	
LC50 - Fish [1]	> 10000 mg/l Brachydanio rerio, 96 h
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna, 24 h

12.2. Persistence and degradability – Aleene's Jewelry & Metal glue	
Persistence and degradability	Biodegradability in water: no data available.

Polymethyl Methacrylate (9011-14-7)	
Persistence and degradability	Biodegradability in water: no data available.
Silicones and siloxanes, dimethyl-,reaction products with silica (67762-90-7)	
Persistence and degradability	Biodegradability in soil: no data available.
ethyl-2-cyanoacrylate (7085-85-0)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential – Aleene's Jewelry & Metal glue	
Partition coefficient n-octanol/water (Log Pow)	0.776 @ 22 °C & pH 6.3
Bioaccumulative potential	No bioaccumulation potential.
Polymethyl Methacrylate (9011-14-7)	
Bioaccumulative potential	No bioaccumulation data available.
Silicones and siloxanes, dimethyl-,reaction products with silica (67762-90-7)	
Bioaccumulative potential	No bioaccumulation data available.
ethyl-2-cyanoacrylate (7085-85-0)	
Partition coefficient n-octanol/water (Log Pow)	0.776 (Published data)
Bioaccumulative potential	Low bioaccumulation potential. (Log Kow < 4).

12.4. Mobility in soil – Aleene's Jewelry & Metal glue	
Ecology - soil	Mobility is considered to be very low due to rapid polymerization with water.
ethyl-2-cyanoacrylate (7085-85-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.834 (calculated value)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects Other information:	Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Regional legislation (waste):	Disposal must be done according to official regulations.
Waste treatment methods:	The product can be polymerized slowly with water (10:1, adhesive: water). Cured product can then be disposed of in land-fill sites by licensed contractors. . Use suitable disposal containers.
Product/Packaging disposal recommendations:	Do not dispose of the packaging without first carrying out the necessary cleaning. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

Ecology – Waste materials:	Glue and adhesive waste, cured. Not considered hazardous.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
3334	Not applicable	Not applicable	3334
14.2. Proper Shipping Name			
Aviation regulated liquid, n.o.s. (CONTAINS : ethyl-2-cyanoacrylate)	Cyanoacrylate ester	Not applicable	Aviation regulated liquid, n.o.s. (CONTAINS : ethyl-2-cyanoacrylate)
14.3. Transport hazard class(es)			
9	Not applicable	Not applicable	9
Not applicable	Not applicable.		
14.4. Packing group			
Not applicable	Not applicable	Not applicable	III
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Not applicable	Dangerous for the environment: No

14.6. Special precautions for user DOT	
UN-No.(DOT)	UN3334
DOT Special Provisions (49 CFR 172.102):	A35 - This includes any material which is not covered by any of the other classes but which has an anesthetic, narcotic, noxious or other similar properties such that, in the event of spillage or leakage on an aircraft, extreme annoyance or discomfort could be caused to crew members so as to prevent the correct performance of assigned duties. A189 - Except where the defining criteria of another class or division are met, concentrations of formaldehyde solution: a. With less than 25 percent but not less than 10 percent formaldehyde, must be described as UN3334, Aviation regulated liquid, n.o.s; and b. With less than 10 percent formaldehyde, are not subject to this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx):	155
DOT Packaging Non Bulk (49 CFR 173.xxx):	204
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):	450 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):	450 L
DOT Vessel Stowage Location:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
TDG	
Emergency Response Guide (ERG) Number	171
IMDG	
No data available	
IATA	
Transport regulations (IATA)	Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.
PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y964
PCA limited quantity max net quantity (IATA)	30kgG
PCA packing instructions (IATA)	964
PCA max net quantity (IATA)	100L
CAO packing instructions (IATA)	964
CAO max net quantity (IATA)	220L
Special provision (IATA)	A27
ERG code (IATA)	9A

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION (NON-MANDATORY)

15.1. US Federal regulations				
SARA Section 311/312 Hazard Classes	Physical hazard - Hazard Not Otherwise Classified (HNOC) Health hazard - Skin corrosion or Irritation Fire hazard Reactive hazard Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Serious eye damage or eye irritation			
Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):				
Name	**CAS-No.**	**Listing**	**Commercial status**	**Flags**
Polymethyl Methacrylate	9011-14-7	Present	Active	XU
Silicones and siloxanes, dimethyl-,reaction products with silica	67762-90-7			XU
ethyl-2-cyanoacrylate	7085-85-0	Present	Active	XU

15.2. International regulations

CANADA

Polymethyl Methacrylate (9011-14-7)

Listed on the Canadian DSL (Domestic Substances List)

ethyl-2-cyanoacrylate (7085-85-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

ethyl-2-cyanoacrylate (7085-85-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations Component	State or local regulations
ethyl-2-cyanoacrylate(7085-85-0)	U.S. - New Jersey - Right to Know Hazardous Substance List
ethyl-2-cyanoacrylate(7085-85-0)	California Proposition 65 – not listed

16. OTHER INFORMATION

The recommendations and information contained in this SDS are compiled from sources believed to represent the most current information available when the SDS was prepared. However, the manufacturer / distributor of this product does not provide any warranty, guaranty of representation as to the correctness or sufficiency of this information. If this material is used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

Full text of H-phrases	
H227	Combustible liquid
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Health	2 Moderate Hazard - Temporary or minor injury may occur
Flammability	2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
Physical	1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.
Personal protection	B - Safety glasses, Gloves

Version:	**Date**
1	Created – 5/8/15
2	2/23/16-JL
3	2/14/18 –sp
4	8/20/2020 - sp
5	12/13/2021 – sp
6	12/14/2021 – sp
7	12/20/2021 – sp
8	1/10/2022 –sp
9	1/12/2022 – sp
10	1/20/2022 – sp
11	1/27/2022 – sp
12	2/2/2022 – sp

END SAFETY DATA SHEET