

8333

SUPER GLUE, LIQUID

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Identifier: 8333**Other Means of Identification:** Super Glue, Liquid**Related Part #** 8333-3G, 8333-20G

Recommended Use and Restriction on Use

Use: Cyanoacrylate adhesive**Uses Advised Against:** Not available

Details of Manufacturer or Importer

ManufacturerMG Chemicals
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADAMG Chemicals (Head Office)
9347-193 Street
Surrey, British Columbia V4N 4E7
CANADA**☎** +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL** support@mgchemicals.com**WEB** www.mgchemicals.com**☎** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** info@mgchemicals.com**E-MAIL** (Competent Person): sds@mgchemicals.com

Emergency Phone Number

For hazardous material incidents ONLY (leaks, spills, fires, exposures or accidents)
USA or CANADA—Call Verisk 3E at **+1-866-519-4752** or **+1-760-476-3962**
(Service access code: 335388)**For emergencies involving the transport of dangerous goods;** 24/7 service
CANADA—Call CANUTEC collect at **+1-613-996-6666** or ***666** on cellular phones

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Section 2: Hazard(s) Identification
Classification of the Hazardous Material
GHS Categories

Criteria	Category	Signal Word	Pictograms
Sensitization Skin sensitizer	1	Warning	Exclamation
Skin Irritation	2	Warning	Exclamation
Eye Irritation	2	Warning	Exclamation
Specific Target Organ Toxicity Single Exposure	3	Warning	Exclamation
Combustible Liquid	4	Warning	None

Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

Label Elements

Signal Word	WARNING
Pictograms	Hazard Statements
	H317: May cause an allergic skin reaction H315: Cause skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation
<i>None mandated</i>	H227: Combustible Liquid
Prevention	Precautionary Statements
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist or vapors.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash hands thoroughly after handling.

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Response	Precautionary Statements
P370 + P378	In case of fire: Use water spray, dry chemical, carbon dioxide, or chemical foam to extinguish.
	Do NOT force bonded skin or eyelids apart.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice or attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor if you feel unwell.
Storage	Precautionary Statements
P403 + P233	Store in a well-ventilated area. Keep container tightly closed.
P405	Store locked up.
Disposal	Precautionary Statements
P501	Dispose of contents in accordance to local, regional, national and international regulations.

Hazards Not Otherwise Classified

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
Bonds skin	Bonds skin or eyes in seconds.	Warning	None

Section 3: Composition/Information on Ingredients

CAS #	Chemical Name	%(weight)
7085-85-0	ethyl-2-cyanoacrylate	86-100%

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Section 4: First-Aid Measures

<i>Exposure Condition</i>	<i>GHS Code: Precautionary Statement</i>
IF ON SKIN	P302 + P352, P362 + P364, P333 + P313
Immediate Symptoms	<i>irritation, redness, contact allergic dermatitis</i>
Response	Do NOT force bonded skin apart. Wash with plenty of warm water. If skin bonding, irritation, or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	<i>redness, tearing, severe irritation, pain</i>
Response	Do NOT force bonded eyelids apart. Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eyelids bonding occurs or if irritation persists: Get medical attention.
IF INHALED	P304 + P340, P312, P308 + P313
Immediate Symptoms	<i>cough, irritation of the respiratory track</i>
Response	Remove person to fresh air and keep comfortable for breathing. If feeling unwell: Call a POISON CENTER or doctor.
IF SWALLOWED	P301 + P330
Immediate Symptoms	<i>Low toxicity—the product immediately solidifies in contact with saliva, adhering in the mouth orifice</i>
Response	Do NOT force bonded skin apart. Rinse mouth with warm water. If skin bonding occurs: Get medical advice or attention. Encourage wetting with saliva and, without great force, apply a gentle pressure with a blunt instrument to peel or roll skin apart.

Advice to Physicians

Accidentally bonded tissue doesn't require surgery. Lachrymatory and saliva effects may take up to 3 days to unglue eyelids or lips. Note that solidified adhesive particles may be abrasive to the eyes.

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Extinguishing Media	In case of fire: Use dry chemical, carbon dioxide, water fog, or chemical foam to extinguish.
Specific Hazards	Combustible liquid. Produces irritating fumes in fires or in contact with hot surfaces.
Combustion Products	Combustion produces carbon oxides (CO, CO ₂) and nitrogen oxides (NO _x).
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Section 6: Accidental Release Measures

Personal Protection	Use personal protection recommended in Section 8.
Precautions for Response	Remove all sources of extreme heat or open flames. Avoid contact with eyes, skin and mouth. Avoid breathing mist or vapors.
Environmental Precautions	Not applicable
Containment	Not applicable
Cleaning	Do not use mop or cloth to clean. Flood with water to fully polymerize the adhesive. Scrape off the cured adhesive.
Disposal	The cured adhesive is not a hazardous waste and may be disposed using conventional methods.

Section 7: Handling and Storage

Prevention	Keep out of reach of children. Keep away from heat, hot surfaces, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes and mouth. Avoid breathing mist or vapors. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.
Handling	Wear protective gloves and eye protection. Wash hands thoroughly after handling.

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Storage

Store in a well-ventilated area. Keep tightly closed. Store locked up.

Keep storage temperature $\leq 25\text{ }^{\circ}\text{C}$ [$\leq 77\text{ }^{\circ}\text{F}$].

RECOMMENDATION: Ideal storage temperature is 5 to 10 °C [41 to 50 °F].

Keep away from moisture, water, alcohols, amines, and alkali metals.

Section 8: Exposure Controls/Personal Protection
Substances with Occupational Exposure Limit Values

Chemical Name	Country	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
ethyl-2-cyanoacrylate	ACGIH	0.2 ppm	Not established
	U.S.A. OSHA PEL	Not established	Not established
	Canada AB	0.2 ppm	Not established
	Canada BC	0.2 ppm	Not established
	Canada ON	0.2 ppm	Not established
	Canada QC	Not established	Not established

Note: The ACGIH¹, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from the RTECS database² and from suppliers' SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

Engineering Controls
Ventilation

Keep airborne concentrations below the occupational exposure limits (OEL).

Personal Protective Equipment
Eye protection

Wear appropriate protective eyeglasses or chemical safety goggles.

RECOMMENDATION: Use safety glasses with lateral protection.

Skin Protection

Wear appropriate protective clothing to prevent skin contact.

RECOMMENDATION: Use neoprene, natural rubber, butyl rubber, or other chemically resistant gloves.

Do not use cotton or cloth gloves.

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Respiratory Protection If exposed to mist, wear respirator such as a half-mask respirator.

RECOMMENDATION: Consult your local safety supply store to ensure that your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in Section 3. The respirator should be fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

General Hygiene Considerations

Wash hands with water and soap after use.

Section 9: Physical and Chemical Properties

Physical State	Liquid	Lower Flammability Limit	Not available
Appearance	Green	Upper Flammability Limit	Not available
Odor	Mild	Vapor Pressure @27 °C	0.4 mmHg [<0.1 kPa]
Odor Threshold	Not available	Vapor Density	>4 (Air =1)
pH	Not available	Relative Density @21 °C	1.1
Freezing/Melting Point	Not available	Solubility in Water	Slight
Initial Boiling Point	≥ 149 °C [≥ 300 °F]	Partition Coefficient n-octanol/water	Not available
Flash Point	>93 °C [>200 °F]	Auto-ignition Temperature	Not available
Evaporation Rate	Not available	Decomposition Temperature	Not available
Flammability	Combustible	Viscosity @40 °C	Not available

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SUPER GLUE, LIQUID**Section 10: Stability and Reactivity**

Reactivity	Will rapidly and exothermically polymerize in presence of water, amines, alkalis, and alcohols.
Chemical Stability	Chemically stable at normal temperatures and pressures
Conditions to Avoid	Avoid flames, sparks, other ignition sources and incompatible substances.
Incompatibilities	Strong oxidizing agents, water, amines, alkalis, and alcohols
Decomposition	For thermal decomposition, see combustion products in Section 5

Section 11: Toxicological Information**Summary of Effects and Symptoms by Routes of Exposure**

Eyes	Causes severe eye irritation or pain. If splashed in eyes, it will bond in seconds.
Skin	May cause skin irritation, redness, and pain. May cause rash due to allergic reaction. It bonds skin in seconds.
Inhalation	May cause nose, throat, and lung irritation.
Ingestion	Not applicable due to likely polymerization in mouth.
Chronic	Prolonged and repeated exposure may lead to skin sensitization.

Lethal Exposure Concentrations

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
ethyl-2-cyanoacrylate	>5 000 mg/kg Rat	>2 000 mg/kg Rabbit	21 110 mg/m ³ Rat 1 h

Note: Toxicity data from the RTECS² and ECHA databases were consulted. The data from supplier SDSs were also consulted.

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8333**SUPER GLUE, LIQUID****Other Toxicological Effects**

Skin corrosion/irritation	Cause skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory and skin sensitization (allergic reactions)	Skin sensitizer based on epidemiological evidence.
Carcinogenicity (risk of cancer)	Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP.
Mutagenicity (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.
Reproductive Toxicity (risk to sex functions)	Based on available data, the classification criteria are not met.
Teratogenicity (risk of fetus malformation)	Based on available data, the classification criteria are not met.
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (<http://echa.europa.eu>), and other reliable sources.

The component substance is not classifiable as an environmental toxicant.

Acute Ecotoxicity

Available toxicity data does not meet classification thresholds.

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8333**SUPER GLUE, LIQUID****Chronic Ecotoxicity**

Available toxicity data does not meet classification thresholds.

Persistence and Biodegradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Effects

Not available

Section 13: Disposal Considerations

Dispose of contents in accordance with all local, regional, national, and international regulations.

Section 14: Transport Information**Ground****Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations);
USA DOT 49 CFR (Parts 100 to 185) **Regulations.**

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Not Regulated

Applies to combustible liquids shipped in non-bulk packages such as 8333-3G, 8333-20G

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8333**SUPER GLUE, LIQUID****Air****Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 30 mL and under

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Excepted QuantityDocument as class **E1**

(Max net quantity per packaging 1 L)

On airway bill, write:
"Dangerous Goods in
Excepted Quantities."

Sizes greater than 30 mL

UN number: UN3334**Shipping Name:**Aviation Regulated Liquid, N.O.S.
(ethyl-2-cyanoacrylate)**Class:** 9**Packing Group:** III**Marine Pollutant:** No**Sea****Refer to IMDG regulations.****Not Regulated**

Note: Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.

Section 15: Regulatory Information**Canada****Domestic Substance List (DSL)/Non-Domestic Substance Lists (NDSL)**

All hazardous ingredients are listed on the DSL/NDSL.

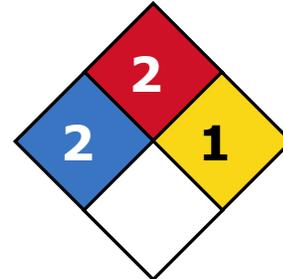
Hazardous Products Act (R.S.C., 1985, c. H-3)

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

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8333**SUPER GLUE, LIQUID****USA****Other Classifications****HMIS[®] RATING**

HEALTH:	* 2
FLAMMABILITY:	2
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	

NFPA[®] 704 CODES*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain substances that are listed as hazardous air pollutants.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain substances, which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, USA)

This product does not contain any substances on the California Proposition 65 list.

Europe**RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

WEEE (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

8333**SUPER GLUE, LIQUID****Section 16: Other Information****MSDS Prepared by** MG Chemicals' Regulatory Department**Date of Revision** 06 March 2020**Supersedes** 13 September 2019**Reason for Changes:** Change to emergency phone numbers.**Reference**

1) ACGIH 2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
NOELR	No observable effect loading ratio
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

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Technical Queries Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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