

# Material Safety Data Sheet

<b>Revision Date</b> February 4 <sup>th</sup> , 2005 <b>Head Office</b> 9347 - 193 Street, Surrey, B.C., V4N 4E7	<b>Prepared by</b> David MacKinnon	<b>Technical Information</b> 1-800-201-8822 or <a href="mailto:support@mgchemicals.com">support@mgchemicals.com</a> <b>Emergency</b> Phone Canutech (613) 996-6666 Collect 24 hrs
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## Section 1: Product Identification

**MSDS Code: 8333**                      **Name: Super Cyanacrylate Adhesive**

**Related Part Numbers: 8333-3G; 8333-20G**

Use: A quick bonding adhesive.

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
7085-85-0	ethyl-2-cyanoacrylate	60 - 100	n/e	n/e	n/e
9011-14-7	poly (methyl methacrylate)	10 - 30	n/e	n/e	n/e
123-31-9	hydroquinone	0 - 1	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	n/e

## Section 3: Hazards Identification

**WHMIS Codes:** B3, D2B

**NFPA Ratings:** Health 1 Flammability 2 Reactivity 1

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**Eyes:** Irritates eyes, causes tearing from eye irritation. Adhesive will disassociate from eye / eyelids over time, usually within several hours. Temporary weeping of eyes / double vision may be experienced until clearance is achieved.

**Skin:** Prolonged or repeated contact at elevated levels may cause dermatitis in sensitive individuals.

**Inhalation:** Irritation of mucous membranes / coughing. Prolonged or repeated exposure at elevated levels may produce allergic reactions with asthma-like symptoms in sensitive individuals.

**Ingestion:** Lips may become stuck together. It is almost impossible to swallow cyanacrylate as adhesive, solidifies upon contact with saliva and may adhere to inside of mouth.

**Chronic:** No residual effects of acute properties.

## Section 4: First Aid Measure

**Eyes:** Flush areas of contact with water for 20 minutes.

**Skin:** Immerse bonded areas in warm, soapy water. Peel or roll skin apart. Remove cured adhesive with several applications of warm soapy water.

**Inhalation:** Remove to fresh air.

**Ingestion:** To unstick lips: apply copious amounts of warm water and encourage wetting / pressure from saliva inside mouth. Peel or roll (do not pull) lips apart. Adhesion inside mouth: saliva will lift adhesive in 1 - 2 days, avoid swallowing adhesive after attachment.

## Section 5: Fire Fighting Measures

**Autoignition Temperature:** n/e      **Flash Point:** 80°C (176°F)      **LEL / UEL:** n/e

**Extinguishing Media:** Use water spray, or dry chemical extinguisher.

**General Information:** Fumes may be irritating if not burning and require air supply with goggles while applying large amounts of water or dry chemical extinguisher.

## Section 6: Accidental Release Measures

**Spill Procedure:** Polymerize with water. Solid material may be scraped from surface.

## Section 7: Handling and Storage

**Handling:** Avoid breathing vapor, contact with eyes / skin. Allow product to reach room temperature before use. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

**Storage:** Avoid moisture, direct UV - sunlight and do not store above 25°C. Keep containers closed tightly when not in use. Ideal storage 5 - 10°C.

## Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation.

**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	liquid	<b>Odor:</b>	stimulative	<b>Solubility:</b>	insoluble	<b>Evaporation Rate:</b>	n/e
<b>Boiling Point:</b>	185°C	<b>Specific Gravity:</b>	1.05	<b>Vapor Pressure:</b>	1mm Hg @21°C	<b>Vapor Density:</b>	n/e
						<b>pH:</b>	n/a

## Section 10: Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.

**Conditions to avoid:** Temperatures over 176°F, Moisture and alkalines.

**Incompatibilities:** Polymerized by water, alcohol, amines, alkaline materials, and direct UV.

**Polymerization:** Will not occur.

**Decomposition:** Combustible by-products of carbon dioxide and carbon monoxide.

**Section 11: Toxicological Information**

<b>Sensitization:</b> (effects of repeated exposure)	Repeated skin contact may cause defatting of the skin resulting in dermatitis.		
<b>Carcinogenicity:</b> (risk of cancer)	No		
<b>Teratogenicity:</b> (risk of malformation in an unborn fetus)	No.		
<b>Reproductive Toxicity:</b> (risk of sterility)	No		
<b>Mutagenicity:</b> (risk of heritable genetic effects)	No.		
<b>Lethal Exposure Concentrations:</b>	<b>Ingestion(LD50):</b> 12.2cc/kg (mice)	<b>Inhalation (LC50):</b> n/e	<b>Skin (LD50):</b> n/e)

**Section 12: Ecological Information**

General Information:					n/e.	
Environmental Impact Data: (percentage by weight)						
CFC: 0	HFC: 0	Cl.Solv.: 0	VOC: 0	HCFC: 0	ODP: 0	

**Section 13: Disposal Information**

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations.

**Section 14: Transportation Information****Ground:**

Not regulated

**Air:**

Not regulated

**Sea:**

Not regulated

**Section 15: Regulatory Information**

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.**

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

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

This product does not contain any chemicals 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.

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleters.

This product does not contain any class 2 ozone depleters.

This product does not contain any chemicals listed as hazardous air pollutants.

**Section 15: Regulatory Information Cont.**



**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

**Health Canada**

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Containers Regulations.

**Environment Canada**

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act

This product does not contain any ozone depleting substances.

**Industry and Science Canada**

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

**RoHS** (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

## Section 16: Other Information

**Definitions:** n/a = not applicable, n/e = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.