

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 08.01.2019

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Extreme Glue - Cyanoacrylate Gel

SECTION 1: Identification

Product identifier

Product name: Extreme Glue - Cyanoacrylate Gel

Product code: 33400CAN



Recommended use of the product and restriction on use

Relevant identified uses: Adhesive

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

North America

J-B Weld Company, LLC

400 CMH Road

Sulphur Springs, TX 75482

903-885-7696

info@jbweld.com

Emergency telephone number:

North America

InfoTrac

352-323-3500

SECTION 2: Hazard identification

GHS classification:

Flammable liquids, category 4

Skin irritation, category 2

Eye irritation, category 2A

Skin sensitization, category 1

Specific target organ toxicity - single exposure, category 3, respiratory irritation

Carcinogenicity, category 2

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H227 Combustible liquid.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

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H351 Suspected of causing cancer.

Precautionary statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 In case of fire: Use agents recommended in section 5 for extinction.
P321 Specific treatment (see supplemental first aid instructions on this label).
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
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 advice/attention
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor/physician if you feel unwell.
P308+P313 If exposed or concerned: Get medical advice/attention
P405 Store locked up.
P403+P233 Store in a well ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 7085-85-0	Ethyl 2-cyanoacrylate	>80
CAS number: 112945-52-5	Silica, amorphous, fumed, cryst.-free	5-10
CAS number: 123-31-9	Hydroquinone	0.1-1

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the Canadian Hazardous Products Regulation and WHMIS 2015.

SECTION 4: First-aid measures

Description of first-aid measures

General notes:

Not determined or not available.

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After inhalation:

Take precautions to ensure your own safety

Remove victim to fresh air and place in a position comfortable for breathing. If respiratory symptoms develop and persist or if feeling unwell: seek medical advice/attention. If breathing is difficult, administer oxygen. If breathing has stopped, trained personnel should begin rescue breathing and get emergency medical aid

After skin contact:

Take off all contaminated clothing. Rinse affected area with soap and water. Gently blot or brush away excess product. If skin irritation develops or persists, seek medical advice/attention

After eye contact:

Remove contact lenses, if present and easy to do so

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Continue rinsing for 15-20 minutes

Get medical advice if eye irritation persists

After ingestion:

Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting spontaneously occurs, place victim on side in the recovery position to prevent aspiration into the lungs.

Never give anything by mouth to an unconscious person. If experiencing symptoms or concerned:

Contact a POISON CENTER or doctor/physician

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Causes eye and skin irritation. Symptoms include redness, tearing, burning, inflammation of eyes, reddening and itching of skin

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause respiratory irritation. Symptoms include: cough, breathing difficulties, inflammation of the membranes lining the respiratory tract and throat and nose pain

Delayed symptoms and effects:

May cause cancer over time

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

Unsuitable extinguishing media:

Do not use water jet

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

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Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

Special precautions:

Shut off sources of ignition

Carbon monoxide and carbon dioxide may form upon combustion

Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Wear recommended personal protective equipment (see Section 8)

Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Use spark-proof tools and explosion-proof equipment

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Take precautionary measures against electrostatic discharges.

Use only non-sparking tools.

Wear recommended personal protective equipment (see Section 8).

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Canada	Ethyl 2-cyanoacrylate	7085-85-0	Alberta OELs - 8-Hour TWA Exposure Limit: 1 mg/m ³ (0.2 ppm)
	Ethyl 2-cyanoacrylate	7085-85-0	British Columbia: 8-Hour TWA Exposure Value: 0.2 ppm
	Ethyl 2-cyanoacrylate	7085-85-0	Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 0.2 ppm
	Ethyl 2-cyanoacrylate	7085-85-0	Manitoba OELs - 15-minute STEL: 1 ppm
	Hydroquinone	123-31-9	Alberta OEL: TWA 2.0 mg/m ³ 8-hr
	Ethyl 2-cyanoacrylate	7085-85-0	Ontario OELs - 8-Hour TWA Exposure Value (TWA): 0.2 ppm
	Hydroquinone	123-31-9	British Columbia OEL: TWA 1.0 mg/m ³ 8-hr
	Ethyl 2-cyanoacrylate	7085-85-0	Saskatchewan OELs - 8 Hour Average Contamination Limit: 0.2 ppm
	Hydroquinone	123-31-9	Manitoba OEL: TLV-TWA 1.0 mg/m ³ 8-hr
	Ethyl 2-cyanoacrylate	7085-85-0	Saskatchewan OELs - 15 Minute Average Contamination Limit: 0.6 ppm
	Hydroquinone	123-31-9	Ontario OEL: TWA 1.0 mg/m ³ 8-hr
	Hydroquinone	123-31-9	Quebec OEL: TWA 2.0 mg/m ³ 8-hr
	Hydroquinone	123-31-9	Saskatchewan OEL: TWA 2.0 mg/m ³ 8-hr; STEL 4.0 mg/m ³

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits

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(where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

- Avoid contact with skin, eyes and clothing.
- Wash hands before breaks and at the end of work.
- Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance (physical state, color):	Clear gel
Odor:	Not determined or not available.
Odor threshold:	Not determined or not available.
pH-value:	Not determined or not available.
Melting/Freezing point:	-117°C
Boiling point/range:	60 - 70 °C
Flash point:	80 °C (Closed cup)
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.
Explosion limit lower:	Not determined or not available.
Vapor pressure:	Not determined or not available.
Vapor density:	Approximately 3
Density:	Not determined or not available.
Relative density:	1.05
Solubilities:	Polymerized by water.
Partition coefficient (n-octanol/water):	Not determined or not available.
Auto/Self-ignition temperature:	Not determined or not available.
Decomposition temperature:	Not determined or not available.
Dynamic viscosity:	Not determined or not available.
Kinematic viscosity:	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

Steam pressure (20°C)	Less than 0.2 mm
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SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

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Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

Avoid direct sun light, overheating or open fires.

Incompatible materials:

Polymerized by contact with amines, alkalis, water and alcohols.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Hydroquinone	oral	LD50 Rat: 367 mg/kg

Skin corrosion/irritation**Assessment:**

Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Ethyl 2-cyanoacrylate	Causes skin irritation
Silica, amorphous, fumed, cryst.-free	Irritating to the skin.
Hydroquinone	Causes skin irritation.

Serious eye damage/irritation**Assessment:**

Causes serious eye irritation

Product data:

No data available.

Substance data:

Name	Result
Ethyl 2-cyanoacrylate	Causes serious eye irritation.
Silica, amorphous, fumed, cryst.-free	Irritating effect on the eyes.
Hydroquinone	Causes serious eye damage

Respiratory or skin sensitization**Assessment:**

May cause an allergic skin reaction

Product data:

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No data available.

Substance data:

Name	Result
Hydroquinone	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

Suspected of causing cancer

Product data: No data available.

Substance data:

Name	Species	Result
Hydroquinone	Not applicable	This component has been reported to be possibly carcinogenic.

International Agency for Research on Cancer (IARC):

Name	Classification
Silica, amorphous, fumed, cryst.-free	Group 3 - Not classifiable as to its carcinogenicity to humans
Hydroquinone	Group 3 - Not classifiable as to its carcinogenicity to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Hydroquinone	Suspected of causing genetic defects.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment:

May cause respiratory irritation

Product data:

No data available.

Substance data:

Name	Result
Ethyl 2-cyanoacrylate	May cause respiratory irritation.
Silica, amorphous, fumed, cryst.-free	Component affects the respiratory system.

Specific target organ toxicity (repeated exposure)

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Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment:

Harmful to aquatic life

Product data: No data available.

Substance data:

Name	Result
Hydroquinone	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.04 - 0.1 mg/l - 96.0 h
	EC50 - Daphnia magna (Water flea) - 0.13 mg/l - 48 h
	EC50 - Pseudokirchneriella subcapitata (green algae) - 0.335 mg/l - 72 h

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Hydroquinone	EC50: 0.08 mg/l - Daphnia magna (21 days)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Hydroquinone	Readily biodegradable.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Hydroquinone	No potential for bioaccumulation.

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Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

Canadian Transportation of Dangerous Goods (TDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Additional Information	Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated as a hazardous material as it is transported in sizes of ≤5 kg or ≤5 L and the packagings meet the general provisions of Section 1.17 (SOR/2008-34) of the TDG Regulations.

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

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SECTION 15: Regulatory information

Canada regulations

Domestic substances list (DSL):

7085-85-0	Ethyl 2-cyanoacrylate	Listed
112945-52-5	Silica, amorphous, fumed, cryst.-free	Listed
123-31-9	Hydroquinone	Listed

Non-domestic substances list (NDSL): None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet