

839

# Safety Data Sheet

## Section 1: Identification

### Product Identifier and Other Means of Identification

**Product Name:** 839**Other Means of Identification:** Graphite Conductive Coating**Related Part #** 839-5ML, 839-900ML, 839-1G, 839-5G

### Recommended Use and Restriction on Use

**Use:** Electrically conductive coating**Uses Advised Against:** Not available

### Details of Manufacturer or Importer

**Manufacturer**MG Chemicals  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADA**☎** +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL** [support@mgchemicals.com](mailto:support@mgchemicals.com)**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)**WEB** [www.mgchemicals.com](http://www.mgchemicals.com)**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto: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 serviceCANADA—Call CANUTEC collect at **+1-613-996-6666** or **\*666** on cellular phones

**839**
**Section 2: Hazard(s) Identification**
**Classification of Hazardous Chemical**
**GHS Categories**

Criteria	Category	Signal Word	Pictograms
Flammable Liquid	2	Danger	Flame
Aspiration Hazard	1	Danger	Health
Carcinogenicity	1	Danger	Health
Specific Target Organ Toxicity Repeated Exposure	2	Warning	Health
Reproductive Toxicity	2	Warning	Health
Skin Sensitization	1	Warning	Exclamation
Skin Irritation	2	Warning	Exclamation
Eye Irritation	2	Warning	Exclamation
Specific Target Organ Toxicity Single Exposure	3	Warning	Exclamation

*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	<b>DANGER</b>
Pictograms	Hazard Statements
	H225: Highly flammable liquid and vapor
	H304: May be fatal if swallowed and enters airways H350: May cause cancer H373: May cause damage to organs (central nervous system, inner ear) through prolonged or repeated exposure H361: Suspected of damaging fertility or the unborn child
	H317: May cause an allergic skin reaction H315: Causes skin irritation H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness

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<b>Prevention</b>	<b>Precautionary Statements</b>
P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof equipment.
P243	Take action to prevent static discharges.
P260 + P271	Do not breathe mist, vapors, and spray. 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, eye protection, and face protection.
P264	Wash hands thoroughly after handling.
<b>Response</b>	<b>Precautionary Statements</b>
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
P308 + P313	IF exposed or concerned: Get medical advice or attention.
P301 + P310, P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P303 + P361 + P352	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of water or shower.
P333 + P313	If skin irritation or rash occur: Get medical advice or attention.
P363	Wash contaminated clothing before reuse.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTRE or doctor if you feel unwell.
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 or attention.

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<b>Storage</b>	<b>Precautionary Statements</b>
P403 + P235	Store in well-ventilated place. Keep cool.
P405	Store locked up.
<b>Disposal</b>	<b>Precautionary Statements</b>
P501	Dispose of contents in accordance to local, regional, national, and international regulations.

**Hazards Not Otherwise Classified**

<b>Other Criteria</b>	<b>Hazard Statements/Precautionary Statement</b>	<b>Signal Word</b>	<b>Pictograms</b>
Defats skin	Repeated exposure may cause skin dryness or cracking.	None	None

**Section 3: Composition/Information on Ingredients**

<b>CAS #</b>	<b>Chemical Name</b>	<b>%(weight)</b>
108-88-3	toluene	23%
7782-42-5	graphite	14%
67-64-1	acetone	9%
110-19-0	isobutyl acetate	7%
110-43-0	2-heptanone <sup>a)</sup>	7%
64-17-5	ethanol	6%
141-78-6	ethyl acetate	4%
108-65-6	1-methoxy-2-propanol acetate	2%
1333-86-4	carbon black	1%
25619-56-1	naphthalenesulfonic acid, dinonyl-, barium salt	0.6%
14808-60-7	quartz (SiO <sub>2</sub> )	0.2%

a) Commonly known as methyl amyl ketone (MAK)

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**Section 4: First-Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statements</i>
<b>IF ON SKIN</b>	P303 + P361 + P352, P333 + P313, P308 + P313, P363
<b>Immediate Symptoms</b>	<i>redness, irritation, dry skin</i>
<b>Response</b>	Take off immediately all contaminated clothing. Wash with plenty of water or shower.  If skin irritation or rash occur: Get medical advice or attention. IF exposed or concerned: Get medical advice or attention. Wash contaminated clothing before reuse.
<b>IF SWALLOWED</b>	P301 + P310, P331, P308 + P313
<b>Immediate Symptoms</b>	<i>nausea, sore throat, diarrhea, drowsiness, dizziness</i>
<b>Response</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF exposed or concerned: Get medical advice or attention.
<b>IF INHALED</b>	P304 + P340, P312, P308 + P313
<b>Immediate Symptoms</b>	<i>drowsiness, dizziness, cough, headaches, nausea, unconsciousness</i>
<b>Response</b>	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell. IF exposed or concerned: Get medical advice or attention.
<b>IF IN EYES</b>	P305 + P351 + P338, P337 + P313
<b>Immediate Symptoms</b>	<i>irritation, redness</i>
<b>Response</b>	Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  If eye irritation persists: Get medical advice or attention.

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**Section 5: Fire-Fighting Measures**

<b>Extinguishing Media</b>	Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish. Use water spray to cool containers.
<b>Specific Hazards</b>	The liquid may float on water and ignite. The vapors are heavier than air and may accumulate in low-lying areas. Vapors may travel long distances and ignite at an ignition source, which can cause a flashback or an explosion.
<b>Combustion Products</b>	Produces carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire-Fighter</b>	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

**Section 6: Accidental Release Measures**

<b>Personal Protection</b>	See personal protection recommendations in Section 8.
<b>Precautions for Response</b>	Do not breathe the mist, spray, or vapors. Remove or keep away all sources of extreme heat or open flames.
<b>Environmental Precautions</b>	Avoid releasing to the environment.
<b>Containment Methods</b>	Contain with inert absorbent (such as soil, sand, vermiculite).
<b>Cleaning Methods</b>	Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with soap and water to remove the last traces of residue.
<b>Disposal Methods</b>	Dispose of spill waste according to Section 13.

**839**
**Section 7: Handling and Storage**
**Prevention**

Keep out of reach of children.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Do not breathe mist, vapors, or spray. Use only outdoors or in a well-ventilated area.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Take action to prevent static discharges.

**Handling**

Wear protective gloves, protective clothing, and eye protection.

Take off contaminated clothing and wash it before reuse.

Wash hands thoroughly after handling.

**Storage**

Store in well ventilated place. Keep cool.

Store locked up.

**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)
toluene	ACGIH	20 ppm	Not established
	U.S.A. OSHA PEL	200 ppm	300 ppm
	Canada AB	50 ppm	Not established
	Canada BC	20 ppm	Not established
	Canada ON	20 ppm	Not established
	Canada QC	100 ppm	150 ppm
graphite (natural)	ACGIH	2 mg/m <sup>3</sup>	Not established
	U.S.A. OSHA PEL	3 mg/m <sup>3</sup>	Not established
	Canada AB	2 mg/m <sup>3</sup>	Not established
	Canada BC	2 mg/m <sup>3</sup>	Not established
	Canada ON	2 mg/m <sup>3</sup>	Not established
	Canada QC	2.5 mg/m <sup>3</sup>	Not established

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<b>Chemical Name</b>	<b>Country</b>	<b>Long Term Exposure Limits (PEL)</b>	<b>Short Term Exposure Limits (STEL)</b>
acetone	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	500 ppm 1 000 ppm 500 ppm 250 ppm 500 ppm 750 ppm	750 ppm Not established 750 ppm 500 ppm 750 ppm 1 000 ppm
isobutyl acetate	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	150 ppm 150 ppm 150 ppm 150 ppm 150 ppm 150 ppm	Not established Not established Not established Not established Not established Not established
2-heptanone	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	50 ppm 100 ppm 50 ppm 50 ppm 25 ppm 50 ppm	Not established Not established Not established Not established Not established Not established
ethanol	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	Not established 1 000 ppm 1 000 ppm Not established Not established 1 000 ppm	1 000 ppm Not established Not established 1 000 ppm 1 000 ppm Not established
ethyl acetate	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	400 ppm 400 ppm 400 ppm 150 ppm 400 ppm 400 ppm	Not established Not established Not established Not established Not established Not established
1-methoxy-2-propanol acetate	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	Not established 50 ppm Not established 50 ppm 50 ppm Not established	Not established Not established Not established 75 ppm Not established Not established
carbon black	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	3.5 mg/m <sup>3</sup> 3.5 mg/m <sup>3</sup> 3.5 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> 3.5 mg/m <sup>3</sup> 3.5 mg/m <sup>3</sup>	Not established Not established Not established Not established Not established Not established

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Chemical Name	Country	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
quartz	ACGIH	0.025 mg/m <sup>3</sup> (R) A2	Not established
	U.S.A. OSHA PEL	50 µg/m <sup>3</sup>	Not established
	Canada AB	0.025 mg/m <sup>3</sup> (R) A2	Not established
	Canada BC	0.025 mg/m <sup>3</sup> (R) A2	Not established
	Canada ON	0.10 mg/m <sup>3</sup> (R) A2	Not established
	Canada QC	0.10 mg/m <sup>3</sup> (R) A2	Not established

*Note:* Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH<sup>1</sup>, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

R—Respirable fraction

2A—Probably carcinogenic to humans

### 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:** Ensure that glasses have side shields for lateral protection.

**Skin Protection** For likely contacts, use of protective butyl rubber, fluorinated rubber, or other chemically resistant gloves.  
For incidental contacts, use nitrile, neoprene, PVC gloves, or other chemically resistant gloves.

**Respiratory Protection** For over-exposures up to 10 x OEL of mist, vapors, or spray, wear respirator such as a half-mask respirator with organic vapor cartridges.  
Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.  
**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 thoroughly with water and soap after handling.

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**Section 9: Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Lower Flammability Limit</b> <sup>a)</sup>	1%
<b>Appearance</b>	Black	<b>Upper Flammability Limit</b> <sup>a)</sup>	13%
<b>Odor</b>	Ethereal	<b>Vapor Pressure @20 °C</b> <sup>b)</sup>	~89 hPa [~67 mmHg]
<b>Odor Threshold</b>	Not available	<b>Vapor Density</b>	>2 (Air =1)
<b>pH</b>	Not available	<b>Specific Gravity @25 °C</b>	0.98
<b>Freezing/Melting Point</b>	Not available	<b>Solubility in Water</b>	Partially soluble
<b>Boiling Point</b> <sup>a)</sup>	≥56 °C [≥132 °F]	<b>Partition Coefficient</b>	Not available
<b>Flash Point</b> <sup>a)</sup>	-18 °C [-4 °F]	<b>Auto-ignition Temperature</b> <sup>c)</sup>	≥330 °C [≥626 °F]
<b>Evaporation Rate</b>	fast	<b>Decomposition Temperature</b>	Not available
<b>Flammability</b>	Flammable	<b>Viscosity @40 °C</b>	<20.5 mm <sup>2</sup> /s

a) Values based on acetone component.

b) Calculated based on components.

c) Values based on 1-methoxy-2-propanol acetate, which is the component with the lowest auto-ignition value.

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**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Chemically stable at normal temperatures and pressures
<b>Conditions to Avoid</b>	Ignition sources, open flames, and incompatible substances
<b>Incompatibilities</b>	Oxidizing agents, strong acids
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5

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

<b>Eyes</b>	Causes irritation, redness, and pain.
<b>Skin</b>	Causes skin redness, irritation, allergic skin reaction, and dry skin.
<b>Inhalation</b>	May cause drowsiness, dizziness, cough, headaches, and nausea. In case of severe overexposure, may cause unconsciousness and death.
<b>Ingestion</b>	May cause nausea, sore throat, and diarrhea.
<b>Chronic</b>	<p>Prolonged or repeated exposure may cause skin dryness, cracking, as well as defatting the skin.</p> <p>Chronic inhalation exposure may affect the central nervous system and lead to hearing loss with co-exposure to loud noises.</p> <p>Prolonged and repeated exposure is possibly carcinogenic based on inhalation studies on rats.</p> <p>Ingestion or inhalation of paint material, mist, or vapor during pregnancy may increase the chances fetal death and developmental defects.</p>

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**839**
**Acute Toxicity (Lethal Exposure Concentrations)**

<b>Chemical Name</b>	<b>LD50 oral</b>	<b>LD50 dermal</b>	<b>LC50 inhalation</b>
toluene	636 mg/kg Rat	12 124 mg/kg Rabbit	49 g/m <sup>3</sup> 4h Rat
graphite	Not established	Not established	Not established
acetone	5 800 mg/kg Rat	>9 400 µL/kg Guinea pig	44 g/m <sup>3</sup> 4 h Rat
isobutyl acetate	13 400 mg/kg Rat	>17 400 mg/kg Rabbit	>13.24 mg/L 6 h Rat
2-heptanone	1 670 mg/kg Rat	12 600 µL/kg Rabbit	Not available
ethanol	7 060 mg/kg Rat	Not available	20 000 ppm 10 h Rat
ethyl acetate	5 620 mg/kg Rat	>20 000 µL/kg Rabbit	45 g/m <sup>3</sup> 2 h Mouse
1-methoxy-2-propanol acetate	8 532 mg/kg Rat	>5 g/kg Rabbit	Not available
carbon black	>15 g/kg Rat	>3 g/kg Rabbit <sup>a)</sup>	Not established
quartz	Not established	Not established	Not established
Mixture ATE	>5 000 mg/kg	>5 000 mg/kg	>20 mg/L 4 h (vapor)

*Note:* Toxicity data from the ECHA database and supplier safety data sheets were consulted.

a) Lethal dose

**Other Toxicological Effects**
**Skin corrosion/irritation**

Toluene causes skin irritation based on Draize tests on animals.

**Serious eye damage/irritation**

Acetone, ethanol, and ethyl acetate are known serious eye irritants.

**Sensitization**  
 (allergic reactions)

The bis(dinonylnaphtalènesulfonate) de barium is a skin sensitizer.

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**839****Carcinogenicity**

(risk of cancer)

Evidence of carcinogenicity of ethanol relates to excessive alcoholic beverage consumption and doesn't relate to exposure risks when used in the workplace or as a non-comestible consumer product.

The carbon black is possibly carcinogenic by airborne routes of exposures under WHMIS 2015 and HCS 2012.

**Ethanol [64-17-5]**

IARC Group 1: Carcinogenic to human when consumed as beverage.

ACGIH A3: Confirmed animal carcinogen with unknown relevance to humans

CA Prop 65: Listed as a carcinogen when consumed as a beverage

NTP: Not listed

**Carbon Black [1333-86-4]**

IARC Group 2B: Possibly carcinogenic to humans

ACGIH A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans

CA Prop 65: Listed as a carcinogen (airborne, as unbound particles of respirable size)

NTP: Not listed

**Quartz [14808-60-7]**

IARC Group 1: Carcinogenic to human when consumed as beverage.

ACGIH A3: Confirmed animal carcinogen with unknown relevance to humans

CA Prop 65: Listed as a carcinogen when consumed as a beverage

NTP: Not listed

**Mutagenicity**

(risk of heritable genetic effects)

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

**Reproductive Toxicity**

(risk to sex functions)

At high doses, spermatogenesis was observed in male rat by inhalation of toluene.

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**839****Teratogenicity** (risk of fetus malformation)

Evidence of reproductive toxicity of ethanol is insufficient and relates to excessive consumption of alcoholic beverages. It does not the risks of exposure when used in the workplace or as a non-edible product.

Fetotoxicity is observed in animal studies for inhalation and oral exposures for toluene.

**STOT-single exposure**

Toluene, acetone, isobutyl acetate, 2-heptanone, ethyl acetate, and 1-methoxy-2-propanol acetate can affect the central nervous system by inhalation causing drowsiness or dizziness.

**STOT-repeated exposure**

Prolonged or repeated over-exposure to toluene and noise can lead to hearing loss (cochlear impairment) according to rat inhalation studies.

**Aspiration hazard**

The liquid is content is classified as Cat 1 aspiration hazards. It is composed of >10% Cat 1 substances, and the kinematic viscosity is <20.5 mm<sup>2</sup>/s at 40 °C.

**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.

Toluene is an acute category 2 aquatic toxicant with minimal LC50 of 7.63 mg/L for *Oncorhynchus mykiss* (rainbow trout); 8.9 mg/L 24 h *Daphnia magna* (water flea); 10 mg/L 24 h *Pseudokirchneriella subcapitata* (green algae).

Acetone is not classifiable as an environmental toxicant with minimal LC50 96 h of 5 540 mg/L for *Oncorhynchus mykiss* (rainbow trout); EC50 48 h 13 500 mg/L *Daphnia magna* (water flea).

Acetone, isobutyl acetate, 2-heptanone, ethanol, and ethyl acetate are not classifiable as an environmental toxicant (with minimal LC50 of >100 mg/L).

- Acetone has a minimal LC50 96 h of 5 540 mg/L for *Oncorhynchus mykiss* (rainbow trout) and an EC50 48 h of 13 500 mg/L for *Daphnia magna* (water flea).
- Isobutyl acetate as a minimal LC50 48 h of 101 mg/L for *Leuciscus idus melanotus* and 250 mg/L for *Daphnia magna* (water flea).
- 2-Heptanone has a minimal LC50 96 h of 126 mg/L for *Pimephales promelas* (fathead minnow).
- Ethanol is biodegradable and has a minimal LC50 of >1 000 mg/L for fish, invertebrates, and algae.

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- Ethyl acetate has a minimal LC50 96 h of 220 mg/L for Pimephales promelas (fathead minnow); a LC50 48 h of 560 mg/L and EC50 24 h of 2 300 mg/L Daphnia magna (water flea); and an EC50 72 h 1 800 mg/L for Selenastrum.
- The 1-methoxy-2-propanol acetate component is an acute category 3 environmental toxicant with minimal LC50 96 h of  $\geq 100$  mg/L Salmo gairdneri.
- Carbon black is not classified as environmental hazards according to GHS criteria.

### Acute Ecotoxicity

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

### Chronic Ecotoxicity

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

### Biodegradability

Expected to be biodegradable. The volatile solvent constituents will oxidize rapidly in air by photochemical reaction.

### Other Effects

Actual Volatile Organic Compounds (VOC) = 52% [516 g/L]

## Section 13: Disposal Information

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.**

Sizes 5 L and under  
 839-5ML, 839-900ML, 839-1G  
**Limited Quantity**



Sizes greater than 5 L  
 839-5G

**UN number:** UN1263  
**Shipping Name:** PAINT  
**Class:** 3  
**Packing Group:** II  
**Marine Pollutant:** No



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**Air**

**Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 1 L and under

839-5ML

**Limited Quantity**



Sizes up to 5 L (passenger), 60 L (cargo)

839-900ML, 839-1G, 839-5G

**UN number:** UN1263

**Shipping Name:** PAINT

**Class:** 3

**Packing Group:** II

**Marine Pollutant:** No



**Sea**

**Refer to IMDG regulations.**

Sizes 5 L and under

839-5ML, 839-900ML, 839-1G,

**Limited Quantity**



Sizes greater than 5 L

839-5G

**UN number:** UN1263

**Shipping Name:** PAINT

**Class:** 3

**Packing Group:** II

**Marine Pollutant:** No



**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)**

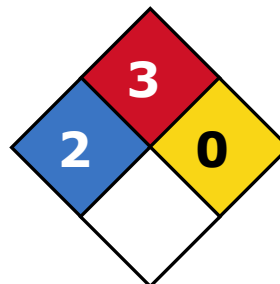
The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

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**839**
**USA**
**Other Classifications**
**HMIS® RATING**

<b>HEALTH:</b>	<b>* 2</b>
<b>FLAMMABILITY:</b>	<b>3</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

**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 contains toluene (CAS# 108-88-3), which is listed as hazardous air pollutants.

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

This product contains toluene (CAS# 108-88-3; reportable quantity = 1 000 lb) and nickel (CAS# 7440-02-0, reportable quantity = 100 lb), which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

This product contains acetone (CAS# 67-64-1), isobutyl acetate (CAS# 110-19-0) and ethyl acetate (CAS# 141-78-6), which are subject to the CERCLA reporting requirements at the 5 000 lb (2268 kg) threshold.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, June 06, 2014 revision, USA).

This product contains toluene, which is listed as reproductively toxic.

This product contains carbon black, which is listed as a carcinogenic substance when airborne, as unbound particles of respirable size.

This product contains ethanol, which is listed as reproductively toxic. It is also listed as a carcinogen when in an alcoholic beverage.

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

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, 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.

**Section 16: Other Information**

<b>SDS Prepared by</b>	Regulatory Affairs Department
<b>Date of Review</b>	02 September 2022
<b>Supersedes</b>	13 March 2020
<b>Reason for Changes:</b>	New size

**Reference**

1) ACGIH 2022 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 (2022).

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
IARC	International Agency for Research on Cancer
NOELR	No observable effect loading ratio
NTP	National Toxicology Program
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

*Section continued on the next page*

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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](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

Phone : +1-905-331-1396

**Mailing Addresses** *Manufacturing & Support*  
1210 Corporate Drive  
Burlington, Ontario, Canada  
L7L 5R6

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