

801B

SUPER CONTACT CLEANER WITH PPE (AEROSOL)

# Safety Data Sheet

## Section 1: Identification

### Product Identifier and Other Means of Identification

**Product Identifier:** 801B**Other Means of Identification:** Super Contact Cleaner with Polyphenyl Ether (Aerosol)**Related Part #** 801B-125G

### Recommended Use and Restriction on Use

**Use:** Contact cleaner**Uses Advised Against:** Do not use on live circuits

### Details of Manufacturer or Importer

**Manufacturer**MG 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](mailto:support@mgchemicals.com)**WEB** [www.mgchemicals.com](http://www.mgchemicals.com)**☎** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** [info@mgchemicals.com](mailto:info@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

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**SUPER CONTACT CLEANER WITH PPE (AEROSOL)**
**Section 2: Hazard(s) Identification**
**Classification of Hazardous Chemical**
**GHS Categories**

Criteria	Category	Signal Word	Pictograms
Aspiration Hazard	1	Danger	Health
Flammable Aerosol	2	Warning	Flame
Gas Under Pressure	Liquefied gas	Warning	Gas cylinder
Skin Irritation	2	Warning	Exclamation
Specific Target Organ Toxicity Single Exposure	3	Warning	Exclamation
Hazardous to Aquatic Environment Chronic	2	none	Environment



*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**

<b>Signal Word</b>	<b>DANGER</b>
<b>Pictograms</b>	<b>Hazard Statements</b>
	H304: May be fatal if swallowed and enters airways
	H223: Flammable aerosol
	H280: Contains gas under pressure: may explode if heated

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*Continued...*

<b>Pictograms</b>	<b>Hazard Statements</b>
	H315: Causes skin irritation H336: May cause drowsiness or dizziness
	H411: Toxic to aquatic life with long lasting effects
<b>Prevention</b>	<b>Precautionary Statements</b>
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing mist, vapors, or spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
<b>Response</b>	<b>Precautionary Statements</b>
P301 + P310, P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty water.
P332 + P313	If skin irritation occurs: Get medical advice or attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P304 + P340, P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

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*Continued...*

<b>Storage</b>	<b>Precautionary Statements</b>
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F].
P403	Store in a well-ventilated place.
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>
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.	Warning	None
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>
64742-48-9	petroleum naphtha, heavy alkylate (mineral spirits)	75%
811-97-2	1,1,1,2-tetrafluoroethane <sup>a)</sup>	19%
8042-47-5 <sup>b)</sup>	mineral oil used in metal working	4%

a) Also known as HFC-134a

b) All components are listed or exempted. The base mixture has the following CAS numbers: 8042-47-5, 64742-46-7, 64742-47-8, 64742-47-9, 64742-53-6, 64742-55-8, 64742-56-9, 68551-19-9, 8042-47-5, 848301-69-9, 90622-46-1, 90622-53-0, 90622-58-5

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**Section 4: First-Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statements</i>
<b>IF SWALLOWED</b>	P301 + P310, P331
<b>Immediate Symptoms</b>	<i>cough, diarrhea, sore throat, vomiting, dizziness, headache, drowsiness, nausea, unconsciousness</i>
<b>Response</b>	Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
<b>IF ON SKIN</b>	P302 + P352, P332 + P313, P362 + P364
<b>Immediate Symptoms</b>	<i>dry skin, redness, irritation</i>
<b>Response</b>	Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
<b>IF INHALED</b>	P304 + P340, P312
<b>Immediate Symptoms</b>	<i>dizziness, headache, drowsiness, nausea, unconsciousness</i>
<b>Response</b>	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
<b>IF IN EYES</b>	P305 + P351 + P338
<b>Immediate Symptoms</b>	<i>redness</i>
<b>Response</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**801B****SUPER CONTACT CLEANER WITH PPE (AEROSOL)****Section 5: Fire-Fighting Measures**

<b>Extinguishing Media</b>	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.  Use water spray to cool containers.
<b>Specific Hazards</b>	Aerosols containers may erupt with force at temperatures above 50 °C [122 °F].  Produces irritating and toxic fumes in fires or in contact with hot surfaces.  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.  Prevent fire-fighting wash from entering waterway or sewer system.
<b>Combustion Products</b>	Produces carbon oxides (CO, CO <sub>2</sub> ), halogenated compounds, and hydrogen fluorides.
<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>	Avoid breathing the mist, spray, and vapors. Remove or keep away all sources of extreme heat or open flames.
<b>Environmental Precautions</b>	Avoid releasing to the environment. Prevent spill from entering drains and waterways.
<b>Containment Methods</b>	Not applicable
<b>Cleaning Methods</b>	Collect liquid in a sealable, solvent-resistant container. Wipe off the spill area with paper towels and place the used towels in the waste 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.

**801B****SUPER CONTACT CLEANER WITH PPE (AEROSOL)****Section 7: Handling and Storage****Prevention**

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid breathing mist, vapors, and spray. Use only outdoors or in a well-ventilated area.

Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Avoid release to the environment.

**Handling**

Wear protective gloves. Take off contaminated clothing and wash it before reuse.

Wash hands thoroughly after handling.

**Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F].

Store in a well-ventilated place.

Store locked up.

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

Chemical Name	Country/ Provinces	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
1,1,1,2-tetrafluoroethane	MG Chemicals <sup>a)</sup> ACGIH U.S.A. OSHA PEL Canada	1 000 ppm Not established Not established Not established	Not established Not established Not established Not established
white mineral oil (petroleum)	ACGIH U.S.A. OSHA PEL U.S.A WEEL <sup>b)</sup> Canada AB Canada BC <sup>c)</sup> Canada ON Canada QC	5 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 1 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	(10 mg/m <sup>3</sup> ) <sup>c)</sup> Not established 10 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> Not established 10 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>

*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. Limits from RTECS database<sup>2</sup> and data 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.

- a) MG Chemicals recommended limit corresponding to prevalent international threshold values
- b) Workplace Environmental Exposure Limit
- c) Based on oil mist, severely refined value.

**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.

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**801B****SUPER CONTACT CLEANER WITH PPE (AEROSOL)****Skin Protection**

For likely contacts, use of protective butyl rubber or other chemically resistant gloves.

For incidental contacts, use nitrile or other chemically resistant gloves.

**Respiratory Protection**

For over-exposures up to 10 x OEL of mist, vapors, 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, in an aerosol format	<b>Lower Flammability Limit</b>	0.7%
<b>Appearance</b>	Colorless	<b>Upper Flammability Limit</b>	5.3%
<b>Odor</b>	Slight hydrocarbon	<b>Vapor Pressure @20 °C</b>	0.5 hPa [0.4 mmHg]
<b>Odor Threshold</b>	Not available	<b>Vapor Density</b>	~5 (Air =1)
<b>pH</b>	Not applicable	<b>Relative Density @15.5 °C</b>	0.77
<b>Freezing/Melting Point</b>	Not available	<b>Solubility in Water</b>	Insoluble
<b>Initial Boiling Point</b>	183 °C [356 °F]	<b>Partition Coefficient n-octanol/water</b>	Not available
<b>Flash Point</b>	58 °C [136 °F]	<b>Auto-ignition Temperature</b>	>320 °C [608 °F]
<b>Evaporation Rate</b>	Moderate	<b>Decomposition Temperature</b>	Not available
<b>Flammability</b>	Flammable	<b>Viscosity @40 °C</b>	<20.5 mm <sup>2</sup> /s

**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>	Temperatures above 50 °C [122 °F], open flames, and incompatible substances
<b>Incompatibilities</b>	Strong oxidizing agents, alkali or alkali earth metals, powdered aluminum, zinc, magnesium, and beryllium
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5.

**801B****SUPER CONTACT CLEANER WITH PPE (AEROSOL)****Section 11: Toxicological Information****Summary of Effects and Symptoms by Routes of Exposure**

<b>Eyes</b>	May cause redness.
<b>Inhalation</b>	May cause dizziness, headache, drowsiness, nausea, and unconsciousness.
<b>Ingestion</b>	May cause cough, diarrhea, sore throat and vomiting.
<b>Skin</b>	May cause dry skin, redness, and irritation.
<b>Chronic</b>	Prolonged or repeated exposure may cause skin dryness, cracking, as well as defatting the skin.

**Acute Toxicity (Lethal Exposure Concentrations)**

<b>Chemical Name</b>	<b>LD50 oral</b>	<b>LD50 dermal</b>	<b>LC50 inhalation</b>
petroleum naphtha, heavy alkylate (mineral spirits)	>5 000 mg/kg Rat	>5 000 mg/kg Rat	>5 000 mg/m <sup>3</sup> Rat <sup>a)</sup>
1,1,1,2-tetrafluoroethane	Not available	Not available	1 500 g/m <sup>3</sup> 4 h Rat
mineral oil used in metal working	>5 000 mg/kg Rat	Not available	Not available

*Note:* Toxicity data from the RTECS<sup>2</sup> and ECHA databases were consulted. The data from supplier SDS were also consulted.

a) Data from supplier SDS

**Other Toxicological Effects**

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met.
<b>Sensitization</b> (allergic reactions)	Based on available data, the classification criteria are not met.

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**801B****SUPER CONTACT CLEANER WITH PPE (AEROSOL)**

<b>Carcinogenicity</b> (risk of cancer)	None of the ingredients are classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP.
<b>Mutagenicity</b> (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.
<b>Reproductive Toxicity</b> (risk to sex functions)	Based on available data, the classification criteria are not met.
<b>Teratogenicity</b> (risk of fetus malformation)	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Petroleum naphtha, heavy alkylate may affect the central nervous system.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Mixture is a class 1 aspiration hazard. It contains 79% class 1 aspiration hazard components and has a mixture viscosity of <math><20.5 \text{ mm}^2/\text{s}</math> 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.

The 1,1,1,2-tetrafluoroethane the white mineral oil substance are not classifiable as an environmental toxicant.

**Acute Ecotoxicity**

See chronic ecotoxicity.

**Chronic Ecotoxicity**

Category 2

Harmful to aquatic life with long lasting effects

Avoid release to the environment. Collect spillage.

**Biodegradability**

Not available

*Section continued on the next page*

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**Other Effects**

Actual VOC = 81% [624 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 CFR 49 Regulations** (Parts 100 to 185).

**Limited Quantity**



**Air**

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

**Limited Quantity**

See package instruction Y203

Max Net Qty/Pkg  
30 kg G



*FOR REFERENCE ONLY*

**UN number:** UN1950

**Shipping Name:** AEROSOL, flammable

**Class:** 2.1

**Packing Group:** Not applicable

**Marine Pollutant:** Yes

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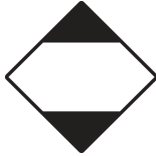
**801B**

**SUPER CONTACT CLEANER WITH PPE (AEROSOL)**

Sea

Refer to IMDG regulations.

Limited Quantity



FOR REFERENCE ONLY

**UN number:** UN1950

**Shipping Name:**

AEROSOL, flammable

**Class:** 2.1

**Packing Group:** Not applicable

**Marine Pollutant:** Yes

*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.

**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.

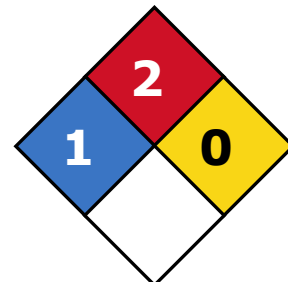
**USA**

**Other Classifications**

**HMIS® RATING**

<b>HEALTH:</b>	<b>*</b>	<b>1</b>
<b>FLAMMABILITY:</b>		<b>2</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)

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**801B****SUPER CONTACT CLEANER WITH PPE (AEROSOL)****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 products 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 ingredients that 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 known to be listed in California.

**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.

**Section 16: Other Information**

**SDS Prepared by the** MG Chemical's Regulatory Affairs Department

**Date of Review** 15 June 2020

**Supersedes** 28 February 2020

**Reason for Changes:** Correction to hazard statements in section 2.

**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®)

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**801B****SUPER CONTACT CLEANER WITH PPE (AEROSOL)****Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
ECHA	European Chemicals Agency
EU	European Union
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

**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).

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