

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

ManufacturerMG Chemicals
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADA**Distributor**Mouser Electronics
1000 North Main Street
Mansfield, TX 76063
USA+1-905-331-1396
+1-800-340-0772**E-MAIL** support@mgchemicals.com**E-MAIL** info@mgchemicals.com**WEB** www.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 serviceCANADA—Call CANUTEC collect at **+1-613-996-6666** or ***666** on cellular phones

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Section 2: Hazard(s) Identification




Classification of Hazardous Chemical

GHS Categories

Criteria	Category	Signal Word	Pictograms
Aspiration Hazard	1	Danger	Health
Flammable Aerosol	1	Danger	Flame
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


Signal Word	DANGER
Pictograms	Hazard Statements
	H304: May be fatal if swallowed and enters airways
	H222: Extremely flammable aerosol H229: Pressurized container: may burst if heated
	H315: Causes skin irritation H336: May cause drowsiness or dizziness

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

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Storage	Precautionary Statements
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.
Disposal	Precautionary Statements
P501	Dispose of contents in accordance to local, regional, and national regulations.

Hazards Not Otherwise Classified

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
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

CAS #	Chemical Name	%(weight)
64742-48-9	petroleum naphtha, heavy alkylate (mineral spirits)	75%
811-97-2	1,1,1,2-tetrafluoroethane ^{a)}	19%
8042-47-5 ^{b)}	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>
IF SWALLOWED	P301 + P310, P331
Immediate Symptoms	<i>cough, diarrhea, sore throat, vomiting, dizziness, headache, drowsiness, nausea, unconsciousness</i>
Response	Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
IF ON SKIN	P302 + P352, P332 + P313, P362 + P364
Immediate Symptoms	<i>dry skin, redness, irritation</i>
Response	Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
IF INHALED	P304 + P340, P312
Immediate Symptoms	<i>dizziness, headache, drowsiness, nausea, unconsciousness</i>
Response	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES	P305 + P351 + P338
Immediate Symptoms	<i>redness</i>
Response	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**

Extinguishing Media	<p>In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.</p> <p>Use water spray to cool containers.</p>
Specific Hazards	<p>Aerosols containers may erupt with force at temperatures above 50 °C [122 °F].</p> <p>Produces irritating and toxic fumes in fires or in contact with hot surfaces.</p> <p>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.</p> <p>Prevent fire-fighting wash from entering waterway or sewer system.</p>
Combustion Products	<p>Produces carbon oxides (CO, CO₂), halogenated compounds, and hydrogen fluorides.</p>
Fire-Fighter	<p>Wear self-contained breathing apparatus and full fire-fighting turn-out gear.</p>

Section 6: Accidental Release Measures

Personal Protection	<p>See personal protection recommendations in Section 8.</p>
Precautions for Response	<p>Avoid breathing the mist, spray, and vapors. Remove or keep away all sources of extreme heat or open flames.</p>
Environmental Precautions	<p>Avoid releasing to the environment. Prevent spill from entering drains and waterways.</p>
Containment Methods	<p>Not applicable</p>
Cleaning Methods	<p>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.</p>
Disposal Methods	<p>Dispose of spill waste according to Section 13.</p>

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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 ^{a)} 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 ^{b)} Canada AB Canada BC ^{c)} Canada ON Canada QC	5 mg/m ³ 5 mg/m ³ 5 mg/m ³ 5 mg/m ³ 1 mg/m ³ 5 mg/m ³ 5 mg/m ³	(10 mg/m ³) ^{c)} Not established 10 mg/m ³ 10 mg/m ³ Not established 10 mg/m ³ 10 mg/m ³

Note: Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH¹, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits 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

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

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Chemically stable at normal temperatures and pressures
Conditions to Avoid	Temperatures above 50 °C [122 °F], open flames, and incompatible substances
Incompatibilities	Strong oxidizing agents, alkali or alkali earth metals, powdered aluminum, zinc, magnesium, and beryllium
Polymerization	Will not occur
Decomposition	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5.

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Section 11: Toxicological Information

Summary of Effects and Symptoms by Routes of Exposure

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

Acute Toxicity (Lethal Exposure Concentrations)

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

Note: Toxicity data from the ECHA databases were consulted. The data from supplier SDS were also consulted.

a) Data from supplier SDS

Other Toxicological Effects

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

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Carcinogenicity (risk of cancer)	None of the ingredients are 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	Petroleum naphtha, heavy alkylate may affect the central nervous system.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	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

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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, and national 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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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 2023.

USA

OSHA Hazard Communication Standard (29 CFR Part 1900)

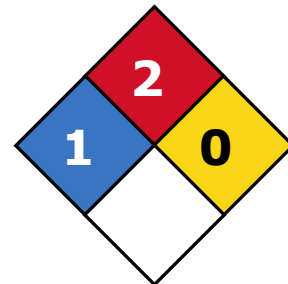
The safety data sheet and label comply with HCS 2024.

Other Classifications

HMIS® RATING

HEALTH:	* 1
FLAMMABILITY:	2
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

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 16 December 2024

Supersedes 28 March 2024

Reason for Changes: Update to WHIMS 2023 and HCS2024

Reference

1) ACGIH 2023 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 (2023).

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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.

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