

801C-P

SUPER CONTACT CLEANER PEN

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Name: 801C-P**Other Means of Identification:** Super Contact Cleaner Pen**Related Part #** 801C-P

Recommended Use and Restriction on Use

Use: Cleans and protects contact pads**Uses Advised Against:** Do not use on live circuit

Details of Manufacturer or Importer

ManufacturerMG 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**WEB** www.mgchemicals.com**☎** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** info@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 service
CANADA—Call CANUTEC collect at **+1-613-996-6666** or ***666** on cellular phones

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

Criteria	Category	Signal Word	Pictograms
Aspiration Hazard	1	Danger	Health
Skin Irritation	2	Warning	Exclamation
Specific Target Organ Toxicity Single exposure	3	Warning	Exclamation
Flammable Liquid	3	Warning	Flame
Hazardous to the 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
	H315: Causes skin irritation H336: May cause drowsiness or dizziness
	H226: Flammable liquid and vapor

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Pictograms	Hazard Statements
	H411: Toxic to aquatic life with long lasting effects
Prevention	Precautionary Statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist or vapors.
P280	Wear protective gloves.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
Response	Precautionary Statements
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, or chemical foam to extinguish.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P332 + P317	If skin irritation occurs: Get medical help.
P301 + P316, P331	IF SWALLOWED: Get emergency medical help immediately. Do NOT induce vomiting.
P304 + P340, P319	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.
Storage	Precautionary Statements
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Disposal	Precautionary Statements
P501	Dispose of contents in accordance to local, regional, national, and international regulations.

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Hazards Not Otherwise Classified

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
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)	68%
64742-47-8	distillates (petroleum) hydrotreated light	25%
8042-47-5	mineral oil used in metal working ^{a)}	5%

a) The base mixture includes mineral oils used in metal working. The following CAS numbers are related 8042-47-5, 64742-46-7, 64742-47-8, 64742-53-6, 64742-54-7, 64742-55-8, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1, 178603-64-0, 178603-65-1, 178603-66-2, 445411-73-4

Section 4: First-Aid Measures

<i>Exposure Condition</i>	<i>GHS Code: Precautionary Statement</i>
IF SWALLOWED	P301 + P316, P331
Immediate Symptoms	<i>cough, diarrhea, sore throat, vomiting</i>
Response	Get emergency medical help immediately. Do NOT induce vomiting.
IF ON SKIN	P302 + 352, P332 + P317, P362 + P364
Immediate Symptoms	<i>dry skin, redness, irritation</i>
Response	Rinse skin with water. If skin irritation occurs: Get medical help.
IF INHALED	P304 + P340, P319
Immediate Symptoms	<i>dizziness, headache, drowsiness, nausea, unconsciousness</i>
Response	Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.

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IF IN EYES	P305 + P351 + P338
Immediate Symptoms	<i>low toxicity: redness, mild irritation</i>
Response	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 5: Fire-Fighting Measures

Extinguishing Media	In case of fire: Use dry chemical, carbon dioxide, or chemical foam to extinguish. Use water spray to cool containers.
Specific Hazards	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.
Combustion Products	Produces carbon oxides (CO, CO ₂) and smoke.
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Section 6: Accidental Release Measures

Personal Protection	See personal protection equipment in Section 8.
Precautions for Response	Avoid breathing the mist or vapors. Remove or keep away all sources of extreme heat or open flames.
Environmental Precautions	Avoid releasing to the environment. Prevent spill from entering drains and waterways.
Containment Methods	Not applicable
Cleaning Methods	Collect the liquid in a sealable, chemical-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Use soap and water to remove the last traces of residue. RECOMMENDATION: Use a grounded stainless steel or carbon steel container.
Disposal Methods	Dispose of spill waste according to Section 13.

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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 or vapors. Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Avoid release to the environment.

Handling

Wash hands thoroughly after handling.

Storage

Store in a well-ventilated place. Keep cool. Keep cap on when not in use.

Store locked up.

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

Chemical Name	Country or Vendor	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
petroleum naphtha, heavy alkylate	Supplier ^{a)}	2 000 mg/m ³	Not established
Petroleum hydrotreated light (aerosol)	ACGIH Canada BC Canada ON	200 mg/m ³ 200 mg/m ³ 525 mg/m ³ ^{a)}	Not established Not established Not established
mineral oil / metal working oil (mist)	ACGIH U.S.A OSHA PEL U.S.A. WEEL Canada AB Canada BC ^{b)} 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) ^{b)} 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 by RTECS² database 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) Supplier SDS based on OSHA Z-1

b) Based on oil mist, severely refined value.

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Ventilation Keep airborne concentrations below the occupational exposure limits (OEL).

Personal Protective Equipment

Eye protection Wear appropriate protective eyeglasses or chemical safety goggles.

RECOMMENDATION: Use safety glasses with lateral protection (side shields).

Skin Protection For likely contacts, use of protective nitrile gloves 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 resistant to oils.

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	Lower Flammability Limit	0.6%
Appearance	Clear, light yellow	Upper Flammability Limit	7.0%
Odor	Slight hydrocarbon	Vapor Pressure @20 °C	0.4 mmHg [0.05 kPa]
Odor Threshold	Not available	Vapor Density	~5 (Air =1)
pH	Not available	Relative Density @25 °C	0.77
Freezing/Melting Point	Not available	Solubility in Water	Insoluble
Initial Boiling Point	183 °C [362 °F]	Partition Coefficient n-octanol/water	Not available
Flash Point	58 °C [137 °F]	Auto-ignition Temperature	>216 °C [>421 °F]
Evaporation Rate	Moderate	Decomposition Temperature	Not available
Flammability	Flammable	Viscosity @25 °C	Not available

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Chemically stable at normal temperatures and pressures.
Conditions to Avoid	Avoid flames, sparks, other ignition sources, and incompatible substances.
Incompatibilities	Strong oxidizing agents, alkali or alkali earth metals
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	Low toxicity—may cause redness and mild eye irritation.
Skin	Cause redness, skin irritation, and dry skin.
Inhalation	Overexposure may lead to visual impairment and central nervous system effects such as dizziness, headache, nausea, unconsciousness, drowsiness, or weakness.
Ingestion	Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis, cough, diarrhea, sore throat, vomiting. See inhalation symptoms.
Chronic	Prolonged and repeated exposure may cause dermatitis, defatting of the skin, and skin sensitization reactions.

Lethal Exposure Concentrations

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
petroleum naphtha, heavy alkylate	>5 000 mg/kg Rat ^{a)}	>5 000 mg/kg Rabbit ^{a)}	8 500 mg/m ³ 4 h Rat
petroleum hydrotreated light	>2 500 mg/kg Rat ^{a)}	>4 000 mg/kg Rabbit ^{a)}	>2 500 ppm 4 h Rat ^{a)}
mineral oil / metal working oil (mist)	>2 000 mg/kg Rat ^{a)}	>2 000 mg/kg Rabbit ^{a)}	Not available

Note: Toxicity data from the RTECS² and 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 redness, skin irritation, and dry skin.
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.
Carcinogenicity (risk of cancer)	None of the ingredients are classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP.

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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	Inhalation may affect the central nervous system causing narcotic effects. Exposure to high concentration of vapors may result in unconsciousness.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Mixture is a class 1 aspiration hazard. It contains over 10% 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.

Acute Ecotoxicity

See chronic ecotoxicity.

Chronic Ecotoxicity

Category 2

Toxic to aquatic life with long lasting effects

Avoid release to the environment. Collect spillage.

Biodegradability

Readily biodegradable

Other Effects

Volatile Organic Content (VOC) = 100% (770 g/L)

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Section 13: Disposal Considerations

Dispose of contents in accordance with all local, regional, national, and international regulations.

Section 14: Transport Information

Ground

Refer to TDG (Canadian Transportation of Dangerous Goods regulations) and **USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Sizes 30 mL and under

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Excepted Quantity

Code **E1**



Air

Refer to ICAO-IATA Dangerous Goods Regulations.

Sizes 30 mL and under

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Excepted Quantity

Code **E1**

On airway bill, write:
"Dangerous Goods in
Excepted Quantities"



FOR REFERENCE ONLY

UN number: UN1268

Shipping Name: PETROLEUM DISTILLATE,
N.O.S. (petroleum naphtha, heavy alkylate)

Class: 3

Packing Group: III

Marine Pollutant: Yes

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Sea

Refer to IMDG regulations.	
Sizes 30 mL and under 801C-P Excepted Quantity Code E1 In transportation document, write: "Dangerous Goods in Excepted Quantities".	 <p><i>FOR REFERENCE ONLY</i> UN number: UN1268 Shipping Name: PETROLEUM DISTILLATE, N.O.S. (petroleum naphtha, heavy alkylate) Class: 3 Packing Group: III Marine Pollutant: Yes</p>

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.

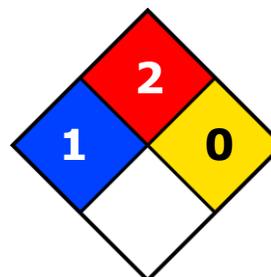
USA

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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801C-P**SUPER CONTACT CLEANER PEN****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 substances 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 have a reporting quantity requirements in 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 of the listed substances.

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	MG Chemicals' Regulatory Department
Date of Revision	28 February 2020
Supersedes	12 November 2019
Reason for Changes:	Update to the emergency phone number information.

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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801C-P**SUPER CONTACT CLEANER PEN****Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
NOELR	No observable effect loading ratio
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
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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