



# Safety Data Sheet

according to WHMIS 2023 and HCS 2024

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Date of issue 10/28/2025

Version number 6.03

Revision: 10/29/2024

## 1 Identification

### · Product identifier

#### · Trade name: 847

- **Other Means of Identification:** Carbon Conductive Assembly Paste
- **Related Part Number:** 847, 847-3ML, 847-25ML, 847-40G, 847-1P, 847-1G, 847-18.9L

#### · Application of the substance / the mixture Grease

- **Uses advised against** Do not process in a manner the material to form mist or dust.

### · Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**  
MG Chemicals (Head Office)  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADA  
+(1) 800-340-0772  
+(1) 905-331-1396  
info@mgchemicals.com

#### · Distributor:

Masline  
511 Clinton Ave S  
Rochester, New York 14620  
United States  
+(1) 586-546-5373

- **Information department:** sds@mgchemicals.com

### · Emergency telephone number:

For hazardous material incidents ONLY (leaks, spills, fires, exposures or accidents)  
USA or CANADA-Call 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

## 2 Hazard identification

### · Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

### · Label elements

- **GHS label elements** Not applicable
  - **Hazard pictograms** Not applicable
  - **Signal word** Not applicable
  - **Hazard statements** Not applicable
  - **Precautionary statements**
    - P273 Avoid release to the environment.
    - P501 Dispose of contents and container in accordance with local, regional, and national regulations.

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- **Other hazards** Not available
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## 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

118685-22-6	decanoic acid, mixed esters with dipentaerythritol, heptanoic acid, isononanoic acid, and octanoic acid	80–90% w/w *
1333-86-4	Carbon black	15–25% w/w *
112945-52-5	amorphous fumed silica	0.1–1% w/w *

\* Actual concentration ranges are withheld as a trade secret.

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## \* 4 First-aid measures

- **Description of first aid measures**

- **General information:** No special measures required.

- **After inhalation:**

Remove person to fresh air and keep comfortable for breathing.  
If feeling unwell: Call a POISON CENTRE or doctor.

- **After skin contact:** Wash with plenty of water.

- **After eye contact:**

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If symptoms persist consult doctor.

- **Most important symptoms and effects, both acute and delayed**

See section 11 for additional information.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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## \* 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture**

Not flammable or combustible, but burns if involved in a fire. Produces irritating smoke of unknown toxicity in fires.  
Prevent fire-fighting wash from entering waterway or sewer system.

- **Hazardous combustion products:**

Carbon Oxides (COx)  
Sulfur oxides

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other toxic fumes

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· **Advice for firefighters**

- **Protective equipment:** Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

**\* 6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Collect liquid in a sealable, chemical-resistant container.  
Wash residue with a paper towel and place dirty towels in container.  
Use soap and water to remove the last traces of residue.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Precautions for safe handling** No special measures required.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**  
Keep in a dry and clean area, away from incompatible substances
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** See section 1.2

**\* 8 Exposure controls/ Personal protection**

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

1333-86-4 Carbon black	
EL (Canada)	TWA: 3 mg/m <sup>3</sup> IARC 2B
EV (Canada)	TWA: 3.5 mg/m <sup>3</sup>

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PEL (USA)	TWA: 3.5 mg/m <sup>3</sup>
REL (USA)	TWA: 3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV (USA)	TWA: 3* mg/m <sup>3</sup> *inhalable fraction, A3

· **Additional information:**

The lists that were valid during the creation were used as basis.  
 Refer to the national or regional occupational exposure limit regulation for abbreviations and acronyms.

· **Exposure controls**

· **Appropriate engineering controls** Keep airborne concentrations below exposure limits.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:**

If the product is heated or worker has a known allergic reaction, consider using a full mask with organic vapor cartridge or with an independent air supply.

· **Protection of hands:**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves: EN374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Wear safety glasses: EN 166

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **Physical state**

Liquid

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<ul style="list-style-type: none"> <li>· <b>Form:</b></li> <li>· <b>Color:</b></li> <li>· <b>Odor:</b> <ul style="list-style-type: none"> <li>· <b>Odor threshold:</b></li> </ul> </li> <li>· <b>Melting point/Melting range:</b></li> <li>· <b>Boiling point/Boiling range:</b></li> <li>· <b>Flammability:</b></li> <li>· <b>Explosion limits:</b> <ul style="list-style-type: none"> <li>· <b>Lower:</b></li> <li>· <b>Upper:</b></li> </ul> </li> <li>· <b>Flash point:</b></li> <li>· <b>Auto igniting:</b></li> <li>· <b>Decomposition temperature:</b></li> <li>· <b>pH-value:</b></li> <li>· <b>Viscosity:</b> <ul style="list-style-type: none"> <li>· <b>Kinematic:</b></li> <li>· <b>Dynamic at 20 °C (68 °F):</b></li> </ul> </li> <li>· <b>Solubility in / Miscibility with</b> <ul style="list-style-type: none"> <li>· <b>Water:</b></li> </ul> </li> <li>· <b>Partition coefficient (n-octanol/water):</b></li> <li>· <b>Vapor pressure:</b></li>   <li>· <b>Relative density at 25 °C (77 °F):</b></li> <li>· <b>Vapor density (air=1):</b></li> <li>· <b>Particle characteristics</b></li> </ul>	<p>Pasty Black Odorless Not determined. Undetermined. &gt;3,000 °C (&gt;37.400 °F) Non flammable Not applicable Not applicable 285 °C (545 °F) Not determined Not determined. Not determined. Not determined. Not determined. Not applicable &gt;20.5 mPas Not miscible or difficult to mix. Not determined. Not determined. Not available 1.06 Not determined. Not applicable</p>
<ul style="list-style-type: none"> <li>· <b>Other information</b> <ul style="list-style-type: none"> <li>· <b>Important information on protection of health and environment, and on safety.</b> <ul style="list-style-type: none"> <li>· <b>Ignition temperature:</b></li> <li>· <b>Danger of explosion:</b></li> <li>· <b>Organic solvents:</b></li> <li>· <b>VOC content:</b></li> <li>· <b>Solids content:</b></li> <li>· <b>Evaporation rate</b></li> </ul> </li> </ul> </li> </ul>	<p>Product is not selfigniting. Product does not present an explosion hazard. Not available 0.000 % 15–25 % Not determined.</p>

## \* 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Chemically stable at normal temperatures and pressures.
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Avoid open flames, excessive heat, sparks, ignition sources, and incompatible substances.

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- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:**  
 No dangerous decomposition products known.  
 Hazardous combustion products: see section 5.

**11 Toxicological information**

- **Information on toxicological effects**
  - **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>1333-86-4 Carbon black</b>		
Oral	LD50	>15,400 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - single exposure**  
 Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - repeated exposure**  
 Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Summary of effects and symptoms by route of exposure**
  - **Eyes:** may cause mild irritation
  - **Skin:** redness, may cause mild irritation
  - **Inhalation:**  
 Low toxicity:  
 may cause mild respiratory irritation
  - **Swallowed:**  
 Low toxicity:  
 abdominal discomfort
- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**  
 No further relevant information available.
- **Additional toxicological information:**  
 The product is not subject to classification according to internally approved calculation methods for preparations:  
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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· **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>	
1333-86-4	Carbon black
	2B
· <b>NTP (National Toxicology Program)</b>	
None of the ingredients is listed.	

**12 Ecological information**

· **Toxicity**

· <b>Aquatic toxicity:</b>	
<b>1333-86-4 Carbon black</b>	
EC50/ 24 h	>5,600 mg/L (aquatic invertebrates)
EC50/ 72 h	>10,000 mg/L (aquatic algae and cyanobacteria)
EC0/ 3 h	>800 mg/L (microorganisms)
LC50	>1,000 mg/L (fish)

- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

· **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

· **Uncleaned packagings:**

· **Recommendation:**

Containers may still present a chemical hazard/ danger when empty.  
 Dispose of contents in accordance with all local, regional, national, and international regulations.  
 Where possible retain label warnings and SDS and observe all notices pertaining to the product.



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**14 Transport information**

· <b>UN-Number</b> · DOT/TDG, IMDG, IATA	not regulated
· <b>UN proper shipping name</b> · DOT/TDG, IMDG, IATA	not regulated
· <b>Transport hazard class(es)</b> · DOT/TDG, ADN, IMDG, IATA · Class	not regulated
· <b>Packing group</b> · DOT/TDG, IMDG, IATA	Not applicable
· <b>Environmental hazards:</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.
· <b>UN "Model Regulation":</b>	not regulated

**\*15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **OSHA Hazard Communication Standard (29 CFR Part 1900)**

The safety data sheet and label comply with HCS 2024.

· **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.

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

1333-86-4 | Carbon black

ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

1333-86-4 | Carbon black

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<b>· Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.
<b>· Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients is listed.
<b>· Chemicals known to cause developmental toxicity:</b>
None of the ingredients is listed.

**· Note:**

This product contains carbon black, but it is bound and exposures during normal conditions of uses are below the Safe Harbor Threshold.

**· Carcinogenic categories**

<b>· TLV (Threshold Limit Value)</b>		
1333-86-4	Carbon black	A4
<b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
1333-86-4	Carbon black	

**· Canadian substance listings:**

<b>· Canadian Domestic Substances List (DSL)</b>		
All ingredients are listed.		
<b>· Canadian Non-Domestic Substances List (NDSL)</b>		
None of the ingredients is listed.		
<b>· Canadian Ingredient Disclosure list (limit 0.1%)</b>		
None of the ingredients is listed.		
<b>· Canadian Ingredient Disclosure list (limit 1%)</b>		
1333-86-4	Carbon black	

**· HMIS-ratings (scale 0 - 4)**

Health = \*2  
Fire = 1  
Reactivity = 0

**· 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.

<b>· Per- and polyfluoroalkyl substances (PFAS)</b>
None of the ingredients is listed.

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## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Regulatory department
- **Contact:** sds@mgchemicals.com
- **Date of previous version** 10/29/2024
- **Version number of previous version:** 6.02
- **Date of preparation** 10/28/2025
- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
- **\* Data compared to the previous version altered.**

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