



Safety Data Sheet

according to WHMIS 2023 and HCS 2024

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Date of issue 04/03/2025

Version number 5.02

Revision: 04/03/2025

* 1 Identification

· Product identifier

· Trade name: 841AR

- Other Means of Identification: Super Shield™ Nickel Conductive Paint (Aerosol)
- Related Part Number: 841AR-Aerosol, 841AR-340G

· Application of the substance / the mixture

Electrically conductive coating and EMI/RFI shield.

· Uses advised against

Not available

· 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 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

* 2 Hazard identification

· Classification of the substance or mixture

Aerosols, Section 2.3.1 – Category 1

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Eye damage/irritation – Category 2A

H319 Causes serious eye irritation.

Sensitization - skin – Category 1

H317 May cause an allergic skin reaction.

Carcinogenicity – Category 2

H351 Suspected of causing cancer. Route of exposure: Inhalation.

Specific target organ toxicity (single exposure) – Category 3

H336 May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) – Category 1

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

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Aquatic Chronic 3

H412

Harmful to aquatic life with long lasting effects.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling:

nickel powder (particle diameter < 1 mm)

acetone

n-butyl acetate

heptan-2-one

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

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, 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.

P260 Do not breathe mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, and eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER/doctor if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice.

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P337+P313	If eye irritation persists: Get medical advice.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403	Store in a well-ventilated place.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents and container in accordance with local, regional, and national regulations.

Other hazards

Warning! May displace oxygen and cause rapid suffocation.
Repeated exposure may cause skin dryness or cracking.

3 Composition/Information on ingredients

Chemical characterization: Mixtures

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

Dangerous components:

7440-02-0	nickel powder (particle diameter < 1 mm)	31% w/w
67-64-1	acetone	18% w/w
74-98-6	propane	13% w/w
616-38-6	dimethyl carbonate	11% w/w
75-28-5	isobutane	7% w/w
110-43-0	heptan-2-one	6% w/w
123-86-4	n-butyl acetate	6% w/w
108-65-6	2-methoxy-1-methylethyl acetate	1% w/w

4 First-aid measures

Description of first aid measures

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 water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.

After eye contact:

Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice or attention.

After swallowing:

Rinse mouth.
Do NOT induce vomiting.
If symptoms persist consult doctor.

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- **Information for doctor:** Treat symptomatically
- **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.

5 Fire-fighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use water spray to cool containers.
- **Special hazards arising from the substance or mixture**
The flu-like symptoms of metal fever may be delayed, occurring 4 to 12 hours after exposure.
During heating or in case of fire poisonous gases are produced.
Prevent fire-fighting wash from entering waterway or sewer system.
Aerosols containers may erupt with force at temperatures above 50 °C [122 °F].
Inhalation of metal fumes may cause metal fever and irritate the respiratory tract.
May produce very toxic nickel carbonyl gas in the presence of carbon monoxide in a reducing atmosphere.
Vapors are heavier than air. Vapors may travel to sources of ignition near the ground. They can cause flash fire or ignite explosively.
- **Hazardous combustion products:**
Carbon Oxides (CO_x)
nickel oxide fumes, tetracarbonylenickel
- **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**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Remove or keep away all sources of extreme heat or open flames.
Do not breathe the mist/vapors/spray/fumes.
- **Environmental precautions:**
Avoid release to the environment.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Not applicable
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

· Precautions for safe handling

Wear protective gloves and eye protection.
Wash hands and exposed skin thoroughly after handling.
Take off contaminated clothing and wash it before reuse.
Contaminated work clothing should not be allowed out of the workplace.
Use only outdoors or in a well-ventilated area.
Obtain, read and follow all safety instructions before use.
Do not breathe mist, vapours, spray.
Keep out of reach of children.
Do not pierce or burn, even after use.

· Information about protection against explosions and fires:

Do not spray on a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

· Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:
Observe official regulations on storing packagings with pressurized containers.
Keep in a dry and clean area, away from incompatible substances
Store in a well-ventilated place. Keep cool.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions:
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Do not expose to temperatures exceeding 50 °C [122 °F].
Store locked up.

· 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:

7440-02-0 nickel powder (particle diameter < 1 mm)	
EL (Canada)	TWA: 0.05 mg/m ³ ACGIH A1, IARC 2B
EV (Canada)	TWA: 1 mg/m ³ Inhalable fraction

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PEL (USA)	TWA: 1 mg/m ³
REL (USA)	TWA: 0.015 mg/m ³ as Ni; See Pocket Guide App. A
TLV (USA)	TWA: 1.5* mg/m ³ elemental, * inhalable fraction, A5, BEI
67-64-1 acetone	
EL (Canada)	STEL: 500 ppm TWA: 250 ppm
EV (Canada)	STEL: 750 ppm TWA: 500 ppm
PEL (USA)	TWA: 2400 mg/m ³ , 1000 ppm
REL (USA)	TWA: 590 mg/m ³ , 250 ppm
TLV (USA)	STEL: 1187 mg/m ³ , 500 ppm TWA: 594 mg/m ³ , 250 ppm A4, BEI
74-98-6 propane	
EL (Canada)	Simple asphyxiant; EX
EV (Canada)	TWA: 1,000 ppm revoked as of 01/01/18
PEL (USA)	TWA: 1800 mg/m ³ , 1000 ppm
REL (USA)	TWA: 1800 mg/m ³ , 1000 ppm
TLV (USA)	see Appendix F Minimal oxygen content (D, EX)
75-28-5 isobutane	
EL (Canada)	STEL: 1000 ppm EX
EV (Canada)	TWA: 800 ppm revoked as of 01/01/18
TLV (USA)	STEL: 2370 mg/m ³ , 1000 ppm (EX)
110-43-0 heptan-2-one	
EL (Canada)	TWA: 50 ppm
EV (Canada)	TWA: 115 mg/m ³ , 25 ppm
PEL (USA)	TWA: 465 mg/m ³ , 100 ppm
REL (USA)	TWA: 465 mg/m ³ , 100 ppm
TLV (USA)	TWA: 50 ppm
123-86-4 n-butyl acetate	
EL (Canada)	STEL: 150 ppm TWA: 50 ppm
EV (Canada)	STEL: 950 mg/m ³ , 200 ppm TWA: 710 mg/m ³ , 150 ppm
PEL (USA)	TWA: 710 mg/m ³ , 150 ppm

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REL (USA)	STEL: 950 mg/m ³ , 200 ppm TWA: 710 mg/m ³ , 150 ppm
TLV (USA)	STEL: 712 mg/m ³ , 150 ppm TWA: 238 mg/m ³ , 50 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
EL (Canada)	STEL: 75 ppm TWA: 50 ppm
EV (Canada)	TWA: 270 mg/m ³ , 50 ppm
WEEL (USA)	TWA: 50 ppm

· **Ingredients with biological limit values:**

7440-02-0 nickel powder (particle diameter < 1 mm)	
BEI (USA)	5 µg/L Medium: urine Time: post-shift at end of workweek Parameter: Nickel (background) 30 µg/L Medium: urine Time: post-shift at end of workweek Parameter: Nickel (background)
67-64-1 acetone	
BEI (USA)	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)

· **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:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Advice should be sought from respiratory protection specialists.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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.

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· **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:**



Safety glasses or tightly sealed goggles: EN 166

9 Physical and chemical properties

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

· Physical state	Aerosol
· Form:	Liquid, in aerosol format.
· Color:	Dark grey
· Odor:	Acetone-like
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	≥56 °C (≥132.8 °F)
· Flammability:	Flammable.
· Explosion limits:	
· Lower:	2 Vol %
· Upper:	13 Vol %
· Flash point:	-17 °C (1.4 °F)
· Auto igniting:	315 °C (599 °F)
· Decomposition temperature:	Not determined.
· pH-value:	Not determined.
· Viscosity:	
· Kinematic at 25 °C (77 °F):	61 cP
· Solubility in / Miscibility with	
· Water:	Partly miscible.

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· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure at 20 °C (68 °F):	8,300 hPa (6.200 mm Hg)
· Vapor pressure at 50 °C (122 °F):	800 hPa (600 mm Hg)
· Density at 20 °C (68 °F):	1.3 g/cm ³ (10.8485 lbs/gal)
· Relative density at 25 °C (77 °F):	1.3
· Bulk density:	3,411 kg/m ³
· Vapor density (air=1):	≥2 (Air = 1)
· Particle characteristics	Not applicable.
· Other information	
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Solvent content:	
· Organic solvents:	Not available
· Evaporation rate	Not applicable.

10 Stability and reactivity

· Reactivity

The nickel can react vigorously with acids and liberate hydrogen, which can form an explosive mixture in air. Nickel may react with carbon monoxide in a reducing atmosphere to form a very toxic nickel carbonyl gas.

· 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

Temperatures above 50 °C, open flames, and incompatible substances

· Incompatible materials:

Oxidizing agents

Strong acids

Strong bases

Strong oxidizing agents

Phosphorous oxychloride

Potassium tert-butoxide

· Hazardous decomposition products:

No dangerous decomposition products known.

Hazardous combustion products: see section 5.

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11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)		
Oral	LD50	22,267 mg/kg (rat)
Inhalative	LC50/4 h	>223 mg/kg (rabbit)
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>7,426 mg/kg (rabbit)
Inhalative	LC50/ 3 h	132 mg/L (rat)
74-98-6 propane		
Inhalative	LC50/4 h	>800,000 ppm (rat)
616-38-6 dimethyl carbonate		
Oral	LD50	13,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
75-28-5 isobutane		
Inhalative	LC50/4 h	>800,000 ppm (rat)
110-43-0 heptan-2-one		
Oral	LD50	1,670 mg/kg (rat)
Dermal	LD50	12,600 µL/kg (rabbit)
Inhalative	LC50/4 h	>16.7 mg/kg (rabbit)
123-86-4 n-butyl acetate		
Oral	LD50	>10,768 mg/kg (rat)
Dermal	LD50	>17,600 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/L (rat)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	8,532 mg/kg (rat)
Dermal	LD/50	5 g/kg (rabbit)
Inhalative	LC50/4 h	35.7 mg/L (rat)

· Primary irritant effect:

· on the eye: Irritating effect.

· Sensitization:

Sensitization possible through skin contact.

May cause an allergic skin reaction.

· Germ cell mutagenicity

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

· Carcinogenicity

Suspected of causing cancer. Route of exposure: Inhalation.

· Reproductive toxicity

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

· Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

· Specific target organ toxicity - repeated exposure

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.

· **Summary of effects and symptoms by route of exposure**

· **Eyes:**

blurred vision
redness, serious irritation
pain

· **Skin:**

rash, allergic contact dermatitis
dry skin
redness, irritation

· **Inhalation:**

cough
headache
sore throat
nausea
unconsciousness
dizziness or drowsiness

· **Swallowed:**

abdominal pain
diarrhea
vomiting
see inhalation symptoms

· **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Prolonged or repeated exposure may defat skin and cause skin dryness and cracking, and local redness and discomfort.

Prolonged or repeated exposure may cause skin allergies.

Chronic inhalation exposure to nickel dust, spray, or mist may damage lungs.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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12 Ecological information

· Toxicity

· Aquatic toxicity:

7440-02-0 nickel powder (particle diameter < 1 mm)	
EC50/ 72 h (static)	81.5–148 mg/L (algae)
LC50 96h	15.3 mg/L (trout) Contains nickel of less than a 1 mm but more than 100 nm (larger than nanoparticles), which release ionic nickel levels that are harmful to the environment. While massive nickel is insoluble in water, its powder is considered sufficiently soluble to give rise to an ecological hazard by EU regulators. The classification that follows takes into account to chronic aqueous toxicity of category 3 assignment of the EU.
LC50/ 48 h	0.074 mg/L (water flea)
67-64-1 acetone	
EC50/ 48 h	13,500 mg/L (daphnia)
LC50 96h	5,540 mg/L (trout)
110-43-0 heptan-2-one	
EC50/ 48 h	>100 mg/L (daphnia)
LC50 96h	131 mg/L (minnow)
123-86-4 n-butyl acetate	
LC50 96h	18 mg/L (minnow)

· **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

· **Remark:** Harmful to fish

13 Disposal considerations

· Waste treatment methods

· **Recommendation:** This material and its container must be disposed of as hazardous 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.

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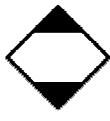
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Where possible retain label warnings and SDS and observe all notices pertaining to the product.

14 Transport information

· UN-Number	UN1950
· DOT/TDG, IMDG, IATA	
· UN proper shipping name	Aerosols, flammable
· DOT/TDG, IATA	AEROSOLS
· IMDG	
· Transport hazard class(es)	
· DOT/TDG (Transport dangerous goods):	
	
· Class	2.1 Gases
· Label	2.1
· IMDG, IATA	
	
· Class	2.1 Gases
· Label	2.1
· Packing group	
· DOT/TDG, IMDG, IATA	Not applicable
· Environmental hazards:	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
	Limited Quantity
841AR-340G	

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· DOT/TDG	
· Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Special precautions for user	Not applicable.
· Hazard identification number (Kemler code):	-
· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· Segregation Code	
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

*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):	
67-64-1 acetone	ACTIVE

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74-98-6	propane	ACTIVE
616-38-6	dimethyl carbonate	ACTIVE
75-28-5	isobutane	ACTIVE
110-43-0	heptan-2-one	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

7440-02-0 nickel powder (particle diameter < 1 mm)

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· TLV (Threshold Limit Value)

67-64-1	acetone	A4
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· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· Canadian substance listings:

· Canadian Domestic Substances List (DSL)

67-64-1	acetone
74-98-6	propane
616-38-6	dimethyl carbonate
75-28-5	isobutane
110-43-0	heptan-2-one
123-86-4	n-butyl acetate
108-65-6	2-methoxy-1-methylethyl acetate

· Canadian Non-Domestic Substances List (NDSL)

None of the ingredients is listed.

· Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

· Canadian Ingredient Disclosure list (limit 1%)

67-64-1	acetone
110-43-0	heptan-2-one

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CA

Safety Data Sheet

according to WHMIS 2023 and HCS 2024

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Date of issue 04/03/2025

Version number 5.02

Revision: 04/03/2025

Trade name: 841AR

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123-86-4 | n-butyl acetate

· HMIS-ratings (scale 0 - 4)

Health = * 2

Fire = 3

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.

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

· Version number of previous version: 5.01

· Date of preparation 04/03/2025

· 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)

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.

CA —