



**Safety Data Sheet**  
according to WHMIS 2023 and HCS 2024

## 1 Identification

· **Product identifier**

· **Trade name: 4050A**

- **Other Means of Identification:** Safety Wash II Electronics Cleaner
- **Related Part Number:** 4050A-Aerosol, 4050A-450G

· **Application of the substance / the mixture** Electronics cleaner

· **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 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 2

H223 Flammable aerosol.

H229 Pressurized container: may burst if heated.

Skin Irritation - Category 2

H315 Causes skin irritation.

Eye damage/irritation – Category 2A

H319 Causes serious eye irritation.

Reproductive Toxicity - Category 2

H361 Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure) – Category 3

H336 May cause drowsiness or dizziness.

Aspiration hazard – Category 1

H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.

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## Label elements

### GHS label elements

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

#### Hazard pictograms



#### Signal word Danger

#### Hazard-determining components of labeling:

1,1,1,2-tetrafluoroethane  
Propan-2-ol  
2-methylpentane  
n-hexane  
ethyl acetate

#### Hazard statements

H223 Flammable aerosol.  
H229 Pressurized container: may burst if heated.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H361 Suspected of damaging fertility or the unborn child.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic 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.  
P261      Avoid breathing mist, vapors or spray.  
P264      Wash thoroughly after handling.  
P271      Use only outdoors or in a well-ventilated area.  
P273      Avoid release to the environment.  
P280      Wear protective gloves, protective clothing, and eye protection or face protection.  
P301+P310      IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331      Do NOT induce vomiting.  
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.  
P312      Call a POISON CENTER/doctor if you feel unwell.  
P332+P313      If skin irritation occurs: Get medical advice.  
P362+P364      Take off contaminated clothing and wash it before reuse.

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P337+P313	If eye irritation persists: Get medical advice.
P391	Collect spillage.
P403	Store in a well-ventilated place.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
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:**

811-97-2	1,1,1,2-tetrafluoroethane	35% w/w
107-83-5	2-methylpentane	10-30% w/w *
67-63-0	Propan-2-ol	26% w/w
79-29-8	2,3-dimethylbutane	5-10% w/w *
96-14-0	3-methylpentane	5-10% w/w *
75-83-2	2,2-dimethylbutane	3-7% w/w *
64-17-5	ethanol	6% w/w
109-66-0	pentane	1-5% w/w *
110-54-3	n-hexane	1-5% w/w *
141-78-6	ethyl acetate	0.1% w/w

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

### 4 First-aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **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.

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- **After swallowing:**  
Immediately call a POISON CENTRE/doctor.  
Rinse mouth.  
Do NOT induce vomiting.  
A person vomiting while lying on their back should be turned onto their side.
- **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:**  
CO<sub>2</sub>, 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**  
Vapors are heavier than air. Vapors may travel to sources of ignition near the ground. They can cause flash fire or ignite explosively.  
Prevent fire-fighting wash from entering waterway or sewer system.  
Aerosols containers may erupt with force at temperatures above 50 °C [122 °F].
  - **Hazardous combustion products:**  
Carbon Oxides (CO<sub>x</sub>)  
Halogenated compounds  
Hydrogen flourides
- **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**  
Ensure adequate ventilation  
Remove or keep away all sources of extreme heat or open flames.  
Avoid breathing mist, spray, or vapors.
- **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:**  
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.

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· **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**

- Wear protective gloves and eye protection.
- Wash hands and exposed skin thoroughly after handling.
- Take off contaminated clothing and wash it before reuse.
- Collect spillage.
- Avoid breathing mist, spray, or vapors.
- Use only outdoors or in a well-ventilated area.
- Obtain, read and follow all safety instructions before use.
- Do not pierce or burn, even after use.

· **Information about protection against explosions and fires:**

- 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.
- Do not spray on a naked flame or any incandescent material.

· **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:**

811-97-2 1,1,1,2-tetrafluoroethane	
WEEL (USA)	TWA: 1000 ppm

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<b>107-83-5 2-methylpentane</b>	
EL (Canada)	TWA: 200 ppm
REL (USA)	TWA: 350 mg/m <sup>3</sup> , 100 ppm Ceiling: 1800* mg/m <sup>3</sup> , 510* ppm *15-min
TLV (USA)	TWA: 200 ppm A3
<b>67-63-0 Propan-2-ol</b>	
EL (Canada)	STEL: 400 ppm TWA: 200 ppm
EV (Canada)	STEL: 400 ppm TWA: 200 ppm
PEL (USA)	TWA: 980 mg/m <sup>3</sup> , 400 ppm
REL (USA)	STEL: 1225 mg/m <sup>3</sup> , 500 ppm TWA: 980 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	STEL: 984 mg/m <sup>3</sup> , 400 ppm TWA: 491 mg/m <sup>3</sup> , 200 ppm BEI, A4
<b>79-29-8 2,3-dimethylbutane</b>	
EL (Canada)	TWA: 200 ppm
REL (USA)	TWA: 350 mg/m <sup>3</sup> , 100 ppm Ceiling: 1800* mg/m <sup>3</sup> , 510* ppm *15-min
TLV (USA)	TWA: 200 ppm A3
<b>96-14-0 3-methylpentane</b>	
EL (Canada)	TWA: 200 ppm
REL (USA)	TWA: 350 mg/m <sup>3</sup> , 100 ppm Ceiling: 1800* mg/m <sup>3</sup> , 510* ppm *15-min
TLV (USA)	TWA: 200 ppm A3
<b>75-83-2 2,2-dimethylbutane</b>	
EL (Canada)	TWA: 200 ppm
REL (USA)	TWA: 350 mg/m <sup>3</sup> , 100 ppm Ceiling: 1800* mg/m <sup>3</sup> , 510* ppm *15-min
TLV (USA)	TWA: 200 ppm A3
<b>64-17-5 ethanol</b>	
EL (Canada)	STEL: 1000 ppm
EV (Canada)	TWA: 1,900 mg/m <sup>3</sup> , 1,000 ppm
PEL (USA)	TWA: 1900 mg/m <sup>3</sup> , 1000 ppm

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REL (USA)	TWA: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	STEL: 1880 mg/m <sup>3</sup> , 1000 ppm A3
<b>109-66-0 pentane</b>	
EL (Canada)	TWA: 1000 ppm
EV (Canada)	STEL: 2,210 mg/m <sup>3</sup> , 750 ppm TWA: 1,770 mg/m <sup>3</sup> , 600 ppm
PEL (USA)	TWA: 2950 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	TWA: 350 mg/m <sup>3</sup> , 120 ppm Ceiling: 1800* mg/m <sup>3</sup> , 610* ppm *15-min
TLV (USA)	TWA: 2950 mg/m <sup>3</sup> , 1000 ppm
<b>110-54-3 n-hexane</b>	
EL (Canada)	TWA: 20 ppm Skin
EV (Canada)	TWA: 176 mg/m <sup>3</sup> , 50 ppm
PEL (USA)	TWA: 1800 mg/m <sup>3</sup> , 500 ppm
REL (USA)	TWA: 180 mg/m <sup>3</sup> , 50 ppm
TLV (USA)	TWA: 176 mg/m <sup>3</sup> , 50 ppm Skin; BEI
<b>· Ingredients with biological limit values:</b>	
<b>67-63-0 Propan-2-ol</b>	
BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
<b>110-54-3 n-hexane</b>	
BEI (USA)	0.5 mg/L Medium: urine Time: end of shift Parameter: 2.5-Hexanedione without hydrolysis

**· 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.  
 Avoid contact with the eyes and skin.

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· **Breathing equipment:**

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.

Advice should be sought from respiratory protection specialists.

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:**



Protective gloves: EN374

If exposure to the jet or liquid is likely, wear cold-insulating gloves to protect the skin against frostbites. 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**

· <b>Physical state</b>	Aerosol
· <b>Form:</b>	Liquid, in aerosol format.
· <b>Color:</b>	Colorless
· <b>Odor:</b>	Mild
· <b>Odor threshold:</b>	Not available
· <b>Boiling point/Boiling range:</b>	≥52 °C (≥125.6 °F)
· <b>Flammability:</b>	Flammable.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	1 Vol %
· <b>Upper:</b>	8 Vol %
· <b>Flash point:</b>	-29 °C (-20.2 °F)
· <b>Auto igniting:</b>	363 °C (685.4 °F)

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<ul style="list-style-type: none"><li>· <b>Solubility in / Miscibility with</b><ul style="list-style-type: none"><li>· <b>Water:</b></li></ul></li><li>· <b>Vapor pressure at 20 °C (68 °F):</b></li><li>· <b>Relative density:</b></li><li>· <b>Vapor density (air=1):</b></li><li>· <b>Particle characteristics</b></li></ul>	<p>Fully miscible. 5,716 hPa (4.316 mm Hg) Not determined. Not available 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></ul></li><li>· <b>Organic solvents:</b></li><li>· <b>VOC content:</b></li><li>· <b>Solids content:</b></li></ul></li></ul>	<p>Product is not selfigniting. Product is not explosive. However, formation of explosive air/vapor mixtures are possible. 37.1–49.1 % 82.1–100 % 791.0 g/l / 6.60 lb/gal 0.0 %</p>

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## 10 Stability and reactivity

- **Reactivity** At elevated temperatures, may react with aluminum and generate hydrogen 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:**
  - Strong acids
  - Strong bases
  - Halogenated compounds
  - Strong oxidizing agents
  - Aluminum at temperatures  $\geq 49$  °C
  - alkali
  - alkali earth metals
  - powdered metals
- **Hazardous decomposition products:** 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:

67-63-0 Propan-2-ol		
Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/L (rat)
64-17-5 ethanol		
Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/L (rat)
141-78-6 ethyl acetate		
Oral	LD50	5,620 mg/kg (rabbit)
Inhalative	LC50/4 h	1,600 mg/L (rat)

- **Primary irritant effect:**
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: 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** Suspected of damaging fertility or the unborn child.
- **Specific target organ toxicity - single exposure** May cause drowsiness or dizziness.
- **Specific target organ toxicity - repeated exposure**  
 Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **Summary of effects and symptoms by route of exposure**
  - **Eyes:**  
 pain  
 tearing of the eyes  
 redness, serious irritation
  - **Skin:**  
 redness, irritation  
 dry skin, redness
  - **Inhalation:**  
 dizziness or drowsiness  
 Excessive exposure may cause narcotic effects, weakness, headaches, and unconsciousness.
  - **Swallowed:** May cause aspiration into the lungs with the risk of chemical pneumonitis.
- **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 shows the following dangers according to internally approved calculation methods for preparations:  
 Irritant

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· **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
67-63-0	Propan-2-ol	3
64-17-5	ethanol	1
· NTP (National Toxicology Program)		
None of the ingredients is listed.		

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.  
 Avoid release to the environment.  
 Collect spillage.

67-63-0 Propan-2-ol	
EC50/ 24 h	5,102 mg/L (daphnia)
EC50/ 72 h	>2,000 mg/L (algae)
LC50 96h	9,640 mg/L (minnow)
64-17-5 ethanol	
LC50	>1,000 mg/L (fish) Biodegradable

- **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:** 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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Where possible retain label warnings and SDS and observe all notices pertaining to the product.  
 · **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**\*14 Transport information**

· <b>UN-Number</b> · DOT/TDG, IMDG, IATA	UN1950
· <b>UN proper shipping name</b> · DOT/TDG, IATA · IMDG	Aerosols, flammable AEROSOLS
· <b>Transport hazard class(es)</b> · DOT/TDG (Transport dangerous goods):	
 · Class · Label	2.1 Gases 2.1
· <b>IMDG, IATA</b>	
 · Class · Label	2.1 Gases 2.1
· <b>Packing group</b> · DOT/TDG, IMDG, IATA	Not applicable
· <b>Environmental hazards:</b> · Marine pollutant: · Special marking (IATA):	Product contains environmentally hazardous substances: n-hexane MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b> · DOT/TDG · Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg

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<ul style="list-style-type: none"> <li>· <b>IMDG</b> <ul style="list-style-type: none"> <li>· Limited quantities (LQ) 1L</li> <li>· Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b> Not applicable.</li> <li>· <b>Hazard identification number (Kemler code):</b> -</li> <li>· <b>EMS Number:</b> F-D,S-U</li> <li>· <b>Stowage Code</b> 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.</li> <li>· <b>Segregation Code</b> 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.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b> UN 1950 AEROSOLS, 2.1</li> </ul>

**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**

<ul style="list-style-type: none"> <li>· <b>Section 355 (extremely hazardous substances):</b></li> </ul>
None of the ingredients is listed.
<ul style="list-style-type: none"> <li>· <b>Section 313 (Specific toxic chemical listings):</b></li> </ul>
67-63-0   Propan-2-ol
110-54-3   n-hexane
<ul style="list-style-type: none"> <li>· <b>TSCA (Toxic Substances Control Act):</b></li> </ul>
All components have the value ACTIVE.

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<b>· Hazardous Air Pollutants</b>	
110-54-3	n-hexane

**· Proposition 65**

<b>· Chemicals known to cause cancer:</b>
None of the ingredients is listed.

<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>
110-54-3   n-hexane

<b>· Chemicals known to cause developmental toxicity:</b>
64-17-5   ethanol

**· Note:**

While ethanol is present in this product, the Proposition 65 warning does NOT apply since this product is not an alcoholic beverage.

**· Carcinogenic categories**

<b>· TLV (Threshold Limit Value)</b>		
67-63-0	Propan-2-ol	A4
64-17-5	ethanol	A3

<b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
None of the ingredients is listed.

**· 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>
64-17-5   ethanol

<b>· Canadian Ingredient Disclosure list (limit 1%)</b>	
107-83-5	2-methylpentane
67-63-0	Propan-2-ol
79-29-8	2,3-dimethylbutane
75-83-2	2,2-dimethylbutane
109-66-0	pentane
110-54-3	n-hexane

**· HMIS-ratings (scale 0 - 4)**

Health = \* 2  
 Fire = 3  
 Reactivity = 0

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# Safety Data Sheet

according to WHMIS 2023 and HCS 2024

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Date of issue 10/28/2025

Version number 5.02

Revision: 10/16/2025

Trade name: 4050A

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## · 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.

### · Per- and polyfluoroalkyl substances (PFAS)

None of the ingredients is listed.

## 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:** 1.00

· **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.**

— CA —