

**1 Identification**

- **Product identifier**
- **Product Name:** Canadian Pesticide Mix IA
- **Part Name:** CAN-CAN-1A
- **Application of the substance / the mixture** Certified Reference Material
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SPEX CertiPrep, LLC.  
203 Norcross Ave, Metuchen,  
NJ 08840 USA
- **Information department:** product safety department
- **Emergency telephone number:**  
Emergency Phone Number (24 hours)  
CHEMTREC (800-424-9300)  
Outside US: 703-527-3887

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS06 Skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**

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

- **Hazard pictograms**



GHS02



GHS06



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

acetonitrile

N',N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate

aldicarb (ISO)

- **Hazard statements**

H225 Highly flammable liquid and vapor.

H302+H312 Harmful if swallowed or in contact with skin.

H331 Toxic if inhaled.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

- **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**· **NFPA ratings (scale 0 - 4)**· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.**3 Composition/information on ingredients**· **Chemical characterization: Mixtures**· **Description:** Mixture of the substances listed below with nonhazardous additions.· **Dangerous components:**

75-05-8	acetonitrile	99.466%
23135-22-0	N',N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	0.3%
116-06-3	aldicarb (ISO)	0.1%
36734-19-7	iprodione (ISO)	0.1%

· **Chemical identification of the substance/preparation**

63-25-2	carbaryl (ISO)	0.005%
16752-77-5	methomyl	0.005%
35554-44-0	imazalil (ISO)	0.005%
116714-46-6	Novaluron	0.005%
114-26-1	propoxur (ISO)	0.002%
1563-66-2	carbofuran (ISO)	0.002%
2032-65-7	mercaptodimethur (ISO)	0.002%
23103-98-2	pirimicarb	0.002%
72490-01-8	ethyl[2-(4-phenoxyphenoxy)ethyl]carbamate	0.002%
111988-49-9	Thiacloprid	0.002%
138261-41-3	imidacloprid (ISO)	0.002%

**4 First-aid measures**· **Description of first aid measures**· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.· **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.· **After swallowing:**

Immediately call a doctor.

Do not give anything to eat or drink - Do not induce vomiting

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- **Information for Doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **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.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Dilute with plenty of water.  
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).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

75-05-8	acetonitrile	13 ppm
23135-22-0	N',N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	0.15 mg/m <sup>3</sup>
116-06-3	aldicarb (ISO)	0.027 mg/m <sup>3</sup>
63-25-2	carbaryl (ISO)	1.5 mg/m <sup>3</sup>
16752-77-5	methomyl	0.91 mg/m <sup>3</sup>
114-26-1	propoxur (ISO)	1.5 mg/m <sup>3</sup>
1563-66-2	carbofuran (ISO)	0.3 mg/m <sup>3</sup>
2032-65-7	mercaptodimethur (ISO)	1.4 mg/m <sup>3</sup>

· **PAC-2:**

75-05-8	acetonitrile	50 ppm
23135-22-0	N',N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	1.7 mg/m <sup>3</sup>
116-06-3	aldicarb (ISO)	0.3 mg/m <sup>3</sup>
63-25-2	carbaryl (ISO)	100 mg/m <sup>3</sup>
16752-77-5	methomyl	10 mg/m <sup>3</sup>
114-26-1	propoxur (ISO)	6.7 mg/m <sup>3</sup>
1563-66-2	carbofuran (ISO)	0.43 mg/m <sup>3</sup>
2032-65-7	mercaptodimethur (ISO)	15 mg/m <sup>3</sup>

· **PAC-3:**

75-05-8	acetonitrile	150 ppm
23135-22-0	N',N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate	4.7 mg/m <sup>3</sup>
116-06-3	aldicarb (ISO)	1.8 mg/m <sup>3</sup>
63-25-2	carbaryl (ISO)	600 mg/m <sup>3</sup>
16752-77-5	methomyl	23 mg/m <sup>3</sup>
114-26-1	propoxur (ISO)	40 mg/m <sup>3</sup>
1563-66-2	carbofuran (ISO)	3.7 mg/m <sup>3</sup>
2032-65-7	mercaptodimethur (ISO)	90 mg/m <sup>3</sup>

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.

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Open and handle receptacle with care.

Prevent formation of aerosols.

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

• **Conditions for safe storage, including any incompatibilities**

• **Storage:**

• **Requirements to be met by storerooms and receptacles:** Store in a cool location.

• **Information about storage in one common storage facility:** Not required.

• **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

• **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

• **Additional information about design of technical systems:** No further data; see item 7.

• **Control parameters**

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

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

### 75-05-8 acetonitrile

PEL Long-term value: 70 mg/m<sup>3</sup>, 40 ppm

REL Long-term value: 34 mg/m<sup>3</sup>, 20 ppm

TLV Long-term value: 34 mg/m<sup>3</sup>, 20 ppm

Skin

### 116-06-3 aldicarb (ISO)

TLV Long-term value: 0.005\* mg/m<sup>3</sup>, 0.0006\* ppm

\*inhalable fraction&vapor; Skin, BEI-C

WEEL Long-term value: 0.0001 ppm

Skin

• **Additional information:** The lists that were valid during the creation were used as basis.

• **Exposure controls**

• **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.

Avoid contact with the eyes and skin.

• **Respiratory protection:**

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.

• **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

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.

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## · Eye protection:



Tightly sealed goggles

**9 Physical and chemical properties**

## · Information on basic physical and chemical properties

## · General Information

## · Appearance:

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odour Threshold:	Not applicable.

· pH-value: Not applicable.

## · Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	81 °C (177.8 81 °F)

· Flash point: &lt; 23 °C (73.4 &lt; 23 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 525 °C (977 525 °F)

· Decomposition temperature: Not applicable.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

## · Explosion limits:

Lower:	4.4 Vol %
Upper:	16 Vol %

· Vapor pressure at 20 °C (6820 °F): 97 hPa (72.8 97 mm Hg)

· Density: Not applicable.

· Relative density: Not applicable.

· Vapor density: Not applicable.

· Evaporation rate: Not applicable.

## · Solubility in / Miscibility with

Water: Fully miscible.

· Partition coefficient (n-octanol/water): Not applicable.

## · Viscosity:

Dynamic:	Not applicable.
Kinematic:	Not applicable.

## · Solvent content:

VOC content: 0.00 %

Solids content: 0.5 %

· Other information: No further relevant information available.

**10 Stability and reactivity**

· Reactivity: No further relevant information available.

## · Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions: No dangerous reactions known.

· Conditions to avoid: No further relevant information available.

· Incompatible materials: No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

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**11 Toxicological information**

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

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>75-05-8 acetonitrile</b>		
Oral	LD50	2,730 mg/kg (rat)
Dermal	LD50	1,250 mg/kg (rabbit)
<b>16752-77-5 methomyl</b>		
Oral	LD50	17 mg/kg (rat)

· <b>IARC (International Agency for Research on Cancer)</b>		
116-06-3	aldicarb (ISO)	3
63-25-2	carbaryl (ISO)	3

**12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.
- **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:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

- |                                  |  |
|----------------------------------|--|
| · <b>UN-Number</b>               |  |
| · <b>DOT, ADR, IMDG, IATA</b>    | UN1648                                       |
| · <b>UN proper shipping name</b> |  |
| · <b>DOT</b>                     | Acetonitrile                                 |
| · <b>ADR</b>                     | 1648 ACETONITRILE, ENVIRONMENTALLY HAZARDOUS |

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· <b>IMDG, IATA</b>	ACETONITRILE
· <b>Transport hazard class(es)</b>	
· <b>DOT</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>ADR</b>	
 	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	II
· <b>Environmental hazards:</b>	
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Flammable liquids
· <b>Danger code (Kemler):</b>	33
· <b>EMS Number:</b>	F-E,S-D
· <b>Stowage Category</b>	B
· <b>Stowage Code</b>	SW2 Clear of living quarters.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1648 ACETONITRILE, 3, II, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· <b>Section 313 (Specific toxic chemical listings):</b>	
75-05-8	acetonitrile
116-06-3	aldicarb (ISO)
63-25-2	carbaryl (ISO)
35554-44-0	imazalil (ISO)
114-26-1	propoxur (ISO)

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1563-66-2	carbofuran (ISO)	
2032-65-7	mercaptodimethur (ISO)	
72490-01-8	ethyl[2-(4-phenoxyphenoxy)ethyl]carbamate	

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

75-05-8	acetonitrile	ACTIVE
116-06-3	aldicarb (ISO)	ACTIVE
63-25-2	carbaryl (ISO)	ACTIVE
1563-66-2	carbofuran (ISO)	ACTIVE

**· Hazardous Air Pollutants**

75-05-8	acetonitrile	
63-25-2	carbaryl (ISO)	
114-26-1	propoxur (ISO)	

**· Proposition 65****· Chemicals known to cause cancer:**

36734-19-7	iprodione (ISO)	
63-25-2	carbaryl (ISO)	
35554-44-0	imazalil (ISO)	
114-26-1	propoxur (ISO)	
23103-98-2	pirimicarb	
72490-01-8	ethyl[2-(4-phenoxyphenoxy)ethyl]carbamate	

**· Chemicals known to cause reproductive toxicity for females:**

63-25-2	carbaryl (ISO)	
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**· Chemicals known to cause reproductive toxicity for males:**

63-25-2	carbaryl (ISO)	
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**· Chemicals known to cause developmental toxicity:**

63-25-2	carbaryl (ISO)	
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**· Carcinogenic categories****· EPA (Environmental Protection Agency)**

75-05-8	acetonitrile	CBD, D
116-06-3	aldicarb (ISO)	D

**· TLV (Threshold Limit Value established by ACGIH)**

75-05-8	acetonitrile	A4
63-25-2	carbaryl (ISO)	A4
16752-77-5	methomyl	A4
114-26-1	propoxur (ISO)	A3
1563-66-2	carbofuran (ISO)	A4

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**· 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:**

acetonitrile

N,N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate

aldicarb (ISO)

**· Hazard statements**

H225    Highly flammable liquid and vapor.

H302+H312    Harmful if swallowed or in contact with skin.

H331    Toxic if inhaled.

H319    Causes serious eye irritation.

H351    Suspected of causing cancer.

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· **Precautionary statements**

- P210                    *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*  
 P241                    *Use explosion-proof electrical/ventilating/lighting/equipment.*  
 P303+P361+P353 *If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*  
 P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
 P405                    *Store locked up.*  
 P501                    *Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**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:** product safety department

· **Contact:**

SPEX CertiPrep, LLC.  
1-732-549-7144

· **Date of preparation / last revision** 09/28/2019 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 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)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 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  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Acute Tox. 4: Acute toxicity – Category 4  
 Acute Tox. 3: Acute toxicity – Category 3  
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
 Carc. 2: Carcinogenicity – Category 2

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