

Printing date 10/03/2023 Reviewed on 10/03/2023

## 1 Identification

· Product identifier

· Trade name: Imidan® WP Insecticide

· Article number: Canada English7

· CAS Number:

Phosmet (70.0%): 732-11-6

Registration number: PCP Registration No.: 29064

Group 1B Insecticide

· Application of the substance / the mixture Agricultural Insecticide

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Gowan Company, L.L.C.

P.O. Box 5569

Yuma, Arizona 85366-5569 Gowan Canada 1-800-960-4318

- · Information department: sds@gowanco.com
- · Emergency telephone number:

Chemtrec® Emergency Telephone 24 - Hours: (Spills, leak or fire) Inside U.S. & Canada: (800) 424-9300 Outside the U.S. & Canada: +011 (703) 527-3887

For medical emergency (ProPharma Group®): (888) 478-0798

## 2 Hazard identification

· Classification of the substance or mixture



GHS06 Skull and crossbones

Acute Toxicity (Oral) - Category 3 H301 Toxic if swallowed.



GHS07

Acute Toxicity (Inhalation) - Category 4 H332 Harmful if inhaled.

Skin Sensitizer - Category 1A H317 May cause an allergic skin reaction.

Eye Irritation - Category 2B H320 Causes eye irritation.

· Label elements

· GHS label elements

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

· Hazard pictograms





GHS06

GHS07

· Signal word Danger

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### · Hazard-determining components of labeling:

phosmet (ISO)

#### · Hazard statements

H301 Toxic if swallowed. H332 Harmful if inhaled. H320 Causes eye irritation.

H317 May cause an allergic skin reaction.

#### · Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264+P265 Wash thoroughly after handling. Do not touch eyes.
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.

*P280* Wear protective gloves.

*P301+P310* If swallowed: Immediately call a poison center/doctor.

*P321* Specific treatment (see on this label).

P330 Rinse mouth.

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.

P312 Call a poison center/doctor if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

*P337+P317 If eye irritation persists: Get medical help.* 

P405 Store locked up.

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

regulations.

#### · Hazard description:

Water-soluble sachets are contained in a protective container. Do not open sachets or allow sachets to become wet prior to adding to the spray tank. Fatal or poisonous if swallowed. May be fatal if inhaled. Causes eye irritation. May irritate the skin. Do not get in eyes or on skin, or on clothing. Wear protective clothing, including rubber gloves and goggles, during mixing, loading, and spraying. Do not breathe spray mist. Wash all contaminated clothing with soap and hot water before reuse. Do not contaminate food or feed. Wear clean clothes. Avoid drift to adjoining food and forage crops.

#### · Classification system:

## · NFPA ratings (scale 0 - 4)



Health = 2 Fire = 0Reactivity = 0

#### HAZARD INDEX:

- 4 Severe Hazard
- 3 Serious Hazard
- 2 Moderate Hazard
- 1 Slight Hazard
- 0 Minimal Hazard

#### · Other hazards

- · PBT: Not applicable.
- · vPvB: Not applicable.

CA/E

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## 3 Composition/Information on ingredients

- · Chemical characterization: Mixtures
  - · Description: Mixture of the substances listed below with nonhazardous additions.
  - Dangerous components:

CAS: 732-11-6 phosmet (ISO)

70.0% w/w

Acute Toxicity (Oral) - Category 3, H301; & Reproductive Toxicity - Category 2, H361; Specific Target Organ Toxicity - Single Exposure - Category 1, H370; Acute Toxicity (Dermal) – Category 4, H312; Acute Toxicity (Inhalation) - Category 4, H332

## 4 First-aid measures

- · Description of first aid measures
  - General information:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact 1-888-478-0798 for emergency medical treatment information.

- · After inhalation:
- Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
  - Call poison control center or doctor for further treatment advice.
- · After skin contact:
- Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call a poison control center or doctor for treatment advice.
- · After eye contact:
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes.
- Call a poison control center or doctor for treatment advice.
- · After swallowing:
- Call a poison control center or doctor immediately for treatment advice.
  - Have person sip a glass of water if able to swallow.
  - Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.
- 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:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.

· Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

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### · Advice for firefighters

Not defined as flammable or combustible. However, under fire conditions, the product may support combustion and decompose to give off toxic materials

## · Protective equipment:

Wear self-contained respiratory protective device.

Mouth respiratory protective device.

### 6 Accidental release measures

#### · Personal precautions, protective equipment and emergency procedures

Avoid inhalation, skin and eye contact. Wear rubber gloves, boots, safety goggles and NIOSH approved respirator effective at removing phosmet.

Sweep up spilled material being careful not to create dust.

Place sweepings in a suitable waste container and label for content.

Generously cover the contaminated area with a common household detergent (e.g. Tide registered TM of Proctor and Gamble). Using a stiff brush, work the detergent into the spill material using sufficient water to form a slurry. Brush the slurry into cracks and crevices, and allow to stand for 2 to 3 minutes. Be careful to completely avoid skin or eye contact; do not splatter on one's self or bystanders.

Spread a suitable absorbent such as clay on the slurried liquid, and shovel the absorbed material into the waste container. Repeat if necessary.

Flush the area with water, while observing proper environmental measures.

Seal drum and ensure it is labelled for content. Dispose according to local regulation. See DISPOSAL statement.

## · Environmental precautions:

Do not allow product to reach sewage system or any water course.

*Inform respective authorities in case of seepage into water course or sewage system.* 

Do not allow to enter sewers/surface or ground water.

### Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

### · Reference to other sections

No dangerous substances are released.

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

#### · Handling:

### · Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

· 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:

End-users can store this product at temperatures below  $0^{\circ}$ C provided handling is minimal. Warehouse storage and handling, and shipping must be at temperatures above  $0^{\circ}$ C.

At temperatures below  $0^{\circ}$ C, soluble film packaging becomes susceptible to cracking and breakage due to handling and shipping.

Keep water-soluble sachets in its protective container and store in a cool, dry place. Do not store at temperatures above 40°C.

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- · Information about storage in one common storage facility: Store away from foodstuffs.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

KEEP WATER SOLUBLE SACHETS IN THE PROTECTIVE

CONTAINER AND STORE IN A COOL, DRY PLACE

· 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 section 7.

#### · Control parameters

This product is intended for use outdoors where engineering controls are not necessary. If use conditions are different (e.g. product reformulation or repackaging), employee exposure should be minimized using traditional techniques such as enclosed system design and/or local exhaust ventilation.

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### · Additional information:

Have eyewash and safety shower easily accessible to the work area. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### · 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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

#### Breathing equipment:

Suitable respiratory protective device recommended.

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

- · Material of gloves Chemical-resistant gloves.
- · 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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# Safety Data Sheet according to PMRA

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· Eye protection:



Tightly sealed goggles

Body protection:

Protective work clothing

Mixer/loader/applicator must wear:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves

Custom mixers/loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant coveralls
- Chemical-resistant footwear
- Chemical-resistant gloves

Mixers and loaders using products in water-soluble packaging must have immediately available for use in an emergency (such as broken package, spill or equipment breakdown) additional PPE. These PPE include coveralls and chemical-resistant footwear and a non-powered air purifying respirator equipped with an R-or P-series filter.

Applicators using airblast equipment with a closed cab must wear:

- Long-sleeved shirt and long pants
- Socks and shoes

Applicators using airblast equipment with an open cab must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant coveralls and head protection
- Chemical-resistant footwear
- Chemical-resistant gloves
- An air purifying respirator equipped with an R-or P-series filter

Applicators using ground equipment with an open cab must wear:

- Long-sleeved shirt and long pants
- · Socks and shoes

Applicators using handheld equipment must wear:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves

## 9 Physical and chemical properties

- · Information on basic physical and chemical properties
  - · General Information
    - · Appearance:

Form: PowderColor: Light beige

· Odor: Pungent, makes eyes water

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· Odor threshold:	Not determined.	
· pH-value at 20 °C (68 °F):	6.6	
· Change in condition		
· Melting point/Melting range:	Undetermined.	
· Boiling point/Boiling range:	Undetermined.	
· Flash point:	Not applicable.	
· Flammability (solid, gaseous):	Not determined.	
Decomposition temperature:	Not determined.	
· Ignition temperature:	Product is not self-igniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
· Lower:	Not determined.	
· Upper:	Not determined.	
· Vapor pressure:	Not applicable.	
· Density at 20 °C (68 °F):	0.240 g/cm3	
Relative density	Not determined.	
· Vapor density	Not applicable.	
· Evaporation rate	Not applicable.	
· Solubility in / Miscibility with		
· Water:	Dispersible.	
· Partition coefficient (n-octanol/w	<b>ater):</b> Not determined.	
· Viscosity:		
Dynamic:	Not applicable.	
· Kinematic:	Not applicable.	
Other information	No further relevant information available.	

# 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability Stable under normal conditions
  - Thermal decomposition / conditions to be avoided:
  - No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions No dangerous reactions known. Conditions to avoid Do not store at temperatures above 40°C.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

# 11 Toxicological information

- · Information on toxicological effects
  - · Acute toxicity:

· LD/LC50 values that are relevant for classification:				
Oral	LD50	275 mg/kg (rat) (male)		

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Trade name: Imidan® WP Insecticide

- Primary irritant effect:
  - on the skin: Irritating effect on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

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

preparaite Toxic Harmful Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

· NTP (National Toxicology Program)

None of the ingredients are listed.

## 12 Ecological information

· Toxicity

TOXIC to birds and small wild mammals.

TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

Toxic to bees exposed to direct treatment, drift, or residues on flowering crops or weeds.

DO NOT apply this product to flowering crops or weeds if bees are visiting the treatment area. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

- · 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 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even 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.

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Make the empty outer container unsuitable for further use.

- · Uncleaned packagings:
- · Recommendation:

Dispose of the empty container in accordance with provincial requirements.

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer or the provincial regulatory agency in case of spill, and for clean-up of spills.

Transport information	
UN-Number · DOT/TDG, ADR, IMDG, IATA	UN2783 UN2783
UN proper shipping name	UN2783, Organophosphorus, Solid, Toxic (Phosmet), 6.1, PGIII
· DOT/TDG · ADR	Organophosphorus pesticides, solid, toxic 2783 Organophosphorus pesticides, solid, toxi
ADK	ENVIRONMENTALLY HAZARDOUS
· IMDG	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC, MARI. POLLUTANT
· IATA	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC
Transport hazard class(es)	
· DOT/TDG (Transport dangerous go	ods):
TOXIC TOXIC	
· Class	6
· Label	6.1
· ADR, IMDG	
\$\frac{\psi_2}{\psi_2}\$	
· Class	6
· Label	6.1
· IATA	
<b>P</b>	
· Class	6
· Label	6.1
Packing group · DOT/TDG, ADR, IMDG, IATA	III
Environmental hazards:	Product contains environmentally hazardous substances: Phosn
M	Technical
· Marine pollutant:	Yes Symbol (fish and tree)

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· Special marking (ADR):	Symbol (fish and tree)
Special precautions for user	Not applicable
· Stowage Category	A
· Stowage Code	SW2 Clear of living quarters.
Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information:	
· DOT/TDG	
· Quantity limitations	On passenger aircraft/rail: 100 kg
	On cargo aircraft only: 200 kg
· Remarks:	<del>-</del>
	Special marking with the symbol (fish and tree).
· ADR	
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
· Remarks:	Specific marking with the symbol (fish and tree).
· IMDG	
· Limited quantities (LQ)	5 kg
Excepted quantities $(\widetilde{E}Q)$	Code: E1
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 2783 ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXI
•	6.1, III, ENVIRONMENTALLY HAZARDOUS

# 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture · Marketing authorization number:
  - · SARA Title III
    - Section 355 (extremely hazardous substances):

All ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

None of the ingredients are listed.

· Canadian substance listings:

· Canadian Domestic Substances List (DSL)

None of the ingredients are listed.

· Canadian Non-Domestic Substances List (NDSL)

None of the ingredients are listed.

· Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients are listed.

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#### · Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients are listed.

#### · GHS label elements

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

#### · Hazard pictograms





GHS06

GHS07

#### · Signal word Danger

### · Hazard-determining components of labeling:

phosmet (ISO)

#### · Hazard statements

H301 Toxic if swallowed. H332 Harmful if inhaled. H320 Causes eye irritation.

H317 May cause an allergic skin reaction.

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264+P265 Wash thoroughly after handling. Do not touch eyes.
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.

P280 Wear protective gloves.

*P301+P310* If swallowed: Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

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.

P312 Call a poison center/doctor if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

*P337+P317 If eye irritation persists: Get medical help.* 

P405 Store locked up.

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

regulations.

#### · National regulations:

#### · Additional classification according to Decree on Hazardous Materials:

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

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

CA/EN

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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.

#### · Relevant phrases

H301 Toxic if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H361 Suspected of damaging fertility or the unborn child.

H370 Causes damage to organs.

#### · Department issuing SDS: Supply Chain

- · Contact: sds@gowanco.com
  - Date of the latest revision of the safety data sheet 10/03/2023
  - · 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)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

#### · Sources

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