

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Trade name:** *Imidan® 70-WP Instapak®*

**CAS Number:** *Phosmet (70.0%): 732-11-6*

**Registration number** *PCP Registration No.: 29064*

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Sector of Use** *Agriculture*

**Application of the substance / the mixture** *Group 1B Insecticide*

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

*Gowan Company*

*P.O. Box 5569*

*Yuma, Arizona 85366-5569*

*(800) 883-1844*

**Further information obtainable from:** *sds@gowanco.com*

**1.4 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 (Prosar®): (888) 478-0798*

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

*The product is not classified according to the CLP regulation.*

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC** *Not applicable.*

**Additional information:**

*Physical Properties*

*Appearance:* *Tan powder*

*Odor:* *Mercaptan odor*

*Symptoms of Acute Exposure*

*The active ingredient is an organophosphate, which, produces cholinesterase inhibition in experimental animals. Symptoms of cholinesterase inhibition include salivation, sweating, headache, nausea, muscle twitching, tremors, incoordination, blurred vision, tears, abdominal cramps, diarrhea, and chest discomfort. Exposure to high concentrations of dust may result in symptoms related to cholinesterase inhibition.*

*Medical Conditions Likely to be Aggravated by Exposure*

*No specific medical conditions are known which may be aggravated by exposure to the active ingredient in this product; however, any disease, medication, or prior exposure which reduces normal cholinesterase activity may increase susceptibility to the toxic effects of the active ingredient.*

*Primary Routes of Exposure*

*Harmful if ingested, inhaled, absorbed into skin or if it comes into contact with the eyes.*

*Hazardous Decomposition Products*

*Combustion products; toxic materials*

*Unusual Fire, Explosion, and Reactivity Hazards*

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

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**2.2 Label elements**

DANGER / POISON  
EYE AND SKIN IRRITANT  
READ THE LABEL BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

· **Labelling according to EU guidelines:** Not applicable

· **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.

· **2.3 Other hazards** Not applicable

· **Results of PBT and vPvB assessment**

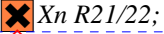

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterization: Mixtures**

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

· **Dangerous components:**

732-11-6	phosmet (ISO)		70.0%
			

### SECTION 4: First aid measures

· **4.1 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.

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- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 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.

### SECTION 6: Accidental release measures

- **6.1 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.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections** No dangerous substances are released.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Store in cool, dry place in tightly closed receptacles.
  - **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
End-users can store this product at temperatures below 0°C provided handling is minimal. Warehouse storage and handling, and shipping must be at temperatures above 0°C.  
At temperatures below 0°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.
    - **Information about storage in one common storage facility:** Store this product away from food or feed.

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- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
**KEEP WATER SOLUBLE SACHETS IN THE PROTECTIVE CONTAINER AND STORE IN A COOL, DRY PLACE**
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

#### · 8.1 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.

- **Ingredients 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.

#### · 8.2 Exposure controls

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:** Suitable respiratory protective device recommended.

- **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.

- **Eye protection:** Goggles recommended during refilling

- **Body protection:**

Protective work clothing

Mixer/loader/appliator must wear:

- Long-sleeved shirt and long pants

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- 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

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

##### Appearance:

- **Form:** Powder
- **Colour:** Light beige
- **Odour:** Pungent, makes eyes water

• **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.

• **Self-igniting:** Product is not selfigniting.

• **Danger of explosion:** Product does not present an explosion hazard.

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· <b>Density at 20 °C (68 °F):</b>	0.240 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with</b> · <b>water:</b>	Dispersible.
· <b>Solvent content:</b> · <b>Organic solvents:</b>	0.0 %
· <b>Solids content:</b>	100.0 %
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

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

### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

##### · Acute toxicity:

· <b>LD/LC50 values relevant for classification:</b>		
Oral	LD50	275 mg/kg (ratto) (male) 258 mg/kg (ratto) (female)
Dermal	LD50	>2000 mg/kg (rabbit) (sexes combined)
Inhalative	LC50/4 h	3.16 mg/l (ratto) (sexes combined)

#### 732-11-6 phosmet (ISO)

Oral	LD50	230 mg/kg (ratto)
Dermal	LD50	1150 mg/kg (ratto)

- **Primary irritant effect:**
  - **on the skin:** Irritating effect
  - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

### SECTION 12: Ecological information

#### · 12.1 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.

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