SAFETY DATA SHEET

Version 1.0
Issue Date: 11 July 2022

1. Substance and Supplier Identification

Product Name: Potato Dust

Other Names: Propham 4% Dust, Propham Potato Dust

Supplier: Morton Smith-Dawe Ltd
396 Wigram Road
Halswell
Christchurch, New Zealand
P.O Box 37-139 Halswell, Christchurch

Customer Centre: (03) 322 8117

Recommended Use: Sprout Inhibitor

In Case of Emergency Contact:

National Poisons Centre: 0800 POISON (0800 764 766)

Transport Emergency: 111 – Tell operator what service is needed: Fire, Ambulance or Police.

2. Hazard Identification

New Zealand Hazardous Substances Classification:

This product is classified as hazardous according to criteria in the New Zealand Hazardous Substances (Hazard Classifications) Notice 2020.

Refer to Section 15 for HSNO Approval Number.

This product is not a Dangerous Goods for Transport. Refer to Section 14 for details.

Classification and Statements:

GHS Classification: Specific target organ toxicity, repeated exposure, Category 2
Hazardous to the aquatic environment, chronic, Category 3
Hazardous to the soil environment

HSNO Classification: 6.9B harmful to human target organs or systems
9.1C harmful to aquatic life, chronic
Hazardous to the soil environment

Labelling Elements:

Hazard Statements:

H373 May cause damage to organs (liver, blood, hematopoietic system) through prolonged or repeated exposure
H412 Harmful to aquatic life with long lasting effects
Hazardous to the soil environment

Signal Word: WARNING

GHS Pictograms:

PREVENTION STATEMENTS:
P102 - Keep out of reach of children.
P103 – Read carefully and follow all instructions.
P260 – Do not breathe dust.
P273 – Avoid release to the environment.

RESPONSE STATEMENTS:
P101 – If medical advice is needed, have product container or label at hand.
P314 – Get medical advice/attention if you feel unwell.

STORAGE:
None

DISPOSAL
P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Dispose of via an approved waste disposal contractor. Refer to Section 13 of the SDS.

3. Composition/ Information on Ingredients

Mixture: Sprout inhibitor

Main Component	CAS Number	Concentration (% wt)
Isopropyl phenylcarbamate	122-42-9	< 10%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

Workplace Facilities Required:	Hand washing facilities should be provided where bulk quantities are handled or stored.
If Inhaled:	Remove to fresh air. Seek medical attention if symptoms persist.
In Contact with Eye:	Hold eyes open, flush continuously with water for at least 15 minutes. Seek medical attention if irritation develops and persists.
In Contact with Skin:	Wash skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists.
If Swallowed:	DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs.
Advice to Doctor:	Treat symptomatically.

5. Fire Fighting Measures

Fire/Explosion Hazard:	Product is not flammable or combustible.
Suitable Extinguishing Media:	Use extinguisher suitable for surrounding fire.
Precautions in Connection with Fire:	May give off toxic fumes in a fire, containing oxides of nitrogen, and carbon.
Advice for firefighters:	Wear full firefighting gear and self-contained breathing apparatus. Do not allow product to enter drains or waterways.

6. Accidental Release Measures

Personal Precautions:	Do not breathe dust. Avoid release to the environment. Respiratory protection may be required where there is inadequate ventilation and high dust concentrations. Wear eye protection, gloves, and a dust mask.
Spill Clean-Up Procedure:	Contain the spill. Sweep up spills and place in a suitable, closable chemical waste container. Alternatively, an industrial vacuum cleaner may be used to collect spilled material. Ensure waste container is properly labelled.

Waste Disposal:	Refer to Section 13.
Emergency Preparation:	Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

7. Handling and Storage

Handling:	Keep out of reach of children. Do not eat, drink, or smoke when using this product. Avoid breathing dust. Avoid release to the environment. Remove contaminated clothing and wash hands and face before entering eating areas. Launder contaminated clothing separately.
Storage:	Store locked up. Protect packages against physical damage. Ensure any part packages are securely sealed before being stored. Store in a cool, dry, well-ventilated area away from incompatibles (see Section 10). Store in a contained area where any spill cannot be dispersed outside the area. Do not store with food related items.

8. Exposure Controls and Personal Protection

Workplace Exposure Standards NZ:

No Workplace Exposure Standards have been established for this product.

Particulates, not otherwise specified, TWA 10 mg/m^3 (inspirable dust), 3 mg/m^3 (respirable dust)

Engineering Controls:	Handwashing facilities should be provided in the work area where there is a risk of exposure to eyes and skin. Use engineering controls such as local exhaust ventilation to ensure workers are not exposed to levels exceeding the exposure standards.
Personal Protective Equipment:	Avoid inhaling dust.
Hand protection:	Wear protective gloves. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.
Skin and body protection:	Use protective clothing. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.
Eye protection:	Use safety glasses with side shields or safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.
Respiratory protection:	Dust mask rated at least P1 if exposure to dust is low. For higher dust concentrations a P2 mask may be needed. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information: PPE selected must be impervious to the substance. Do not eat, smoke, or drink where material is handled, processed, or stored. Wash hands carefully before eating, drinking, or smoking. Handle in accordance with safe industrial hygiene practices.

9. Physical and Chemical Properties

Description:	Solid powder	**Colour:**	Brown
Odour:	Odourless	**Odour Threshold:**	Not determined
pH:	Not determined	**Solubility (water, 25°C):**	Insoluble
Melting Point:	Not determined	**Boiling point:**	Not determined
Flammability:	Non-flammable	**Flash Point (Closed Cup):**	Not applicable
UEL/LEL:	Not applicable	**Bulk Density:**	Not determined
Relative Density:	Not determined	**Vapour Density:**	Not determined
Vapour pressure (at 25°C):	Not determined	**Viscosity:**	Not applicable
Decomposition Temp:	Not available	**Autoignition Temp:**	Not applicable
Octanol/Water Partition Coefficient:	Not applicable	**Particle characteristics:**	Not available

10. Stability and Reactivity

Stability: Stable under normal storage conditions.

Reactivity: Under normal conditions of storage and use, not expected to cause any adverse reactions.

Conditions to Avoid: Accumulation of large quantities of dust may result in a dust explosion.

Incompatibility: No incompatibilities identified.

Hazardous Decomposition Products: May form toxic fumes containing oxides of nitrogen, and carbon.

Hazardous Polymerisation: Will not occur.

11. Toxicological Information

Acute Exposure

Acute Toxicity:

LD_{50} oral > 5000 mg/kg
LD_{50} dermal > 5000 mg/kg
LC_{50} inhalation > 5 mg/L (dust)

Inhalation: May cause mechanical irritation if dust is inhaled, resulting in coughing, sneezing.

Ingestion: Not expected to be acutely toxic via ingestion. Ingesting large amounts may cause stomach cramps, pain, and diarrhea.

Skin Contact:	Not expected to be a skin irritant.
Eye Contact:	Not expected to be an eye irritant. Dust may cause mechanical irritation, redness, and pain.
Sensitiser:	Not expected to be a respiratory or contact sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant	Not expected to be carcinogenic, a reproductive toxicant, or mutagenic.
Specific Target Organ Systemic Toxicity:	Harmful to human target organs or systems on prolonged or repeated exposure. May cause harm to blood and hematopoietic system and to the liver. Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

12. Ecological Information

Ecotoxicity:	Harmful in the aquatic environment with long lasting effects. Hazardous to the soil environment. Product is a plant growth regulator.
Aquatic toxicity:	LC_{50} >10 - 100mg/l
Biodegradable:	No data.
Bioaccumulative:	No data.
Mobility:	Product is not soluble in water.

Ecotoxicity classification derived from data on ingredients.

13. Disposal Considerations

Disposal:	Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.
Disposal of Packaging:	Dispose of packaging via an approved waste disposal contractor. Consumer packaging may be disposed of via household waste.

14. Transport Information

This product is not classified as a Dangerous Good for transport in accordance with NZS5433:2020, IMDG or IATA.

Ensure transportation methods prevent leakage from packages and collapsing loads.

15. Regulatory Information

Group Standard Allocation:	Not applicable
HSNO Approval Code:	HSR000781 Powder containing 40g/kg Propham.
Pesticide Approval No:	P003465
NZ Inventory of Chemicals:	All components are listed in the NZ Inventory of Chemicals

This substance triggers:

Location/Compliance Certificate	N/A
Certified Handler	N/A
Emergency Response Plan	1,000kg
Secondary Containment	N/A
Signage	1,000kg

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

16. Other Information

The information provided in this Safety Data Sheet relates only to the specific material designated herein. The information contained in this Safety Data Sheet is correct to the best of our knowledge.

This substance is approved under HSNO for use as a plant growth regulator.

SDS Created:	11 July 2022
Review Date:	11 July 2027
Reason for Revision:	Compliance with EPA Hazardous Substances (Safety Data Sheets) Notice 2017. Update of classifications in accordance with EPA Hazardous Substances (Hazard Classifications) Notice 2020.

It is known that people have varying degrees of sensitivity to chemicals therefore this product should be used with caution.

The information compiled in this Safety Data Sheet has been taken from sources believed to be reliable by Morton Smith-Dawe Ltd and to represent the most up-to-date knowledge available at the date given in Section 16.

Morton Smith-Dawe Ltd assumes no liability for any damages related to the use or misuse of this substance.

End of Safety Data Sheet