SAFETY DATA SHEET

Buxus Blight Fighter

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Identifiers

Product name:	**Buxus Blight Fighter**
Other Name(s):	Phosphorous acid 400 g/L as the mono and di-potassium salts as a soluble concentrate

1.2 Recommended use of the chemical and restrictions on use

Product Use:	Systemic fungicide

1.3 Supplier contact details:

Company name:	Sipcam New Zealand Limited
Address:	20 Jean Batten Drive Mt Maunganui, 3116
Telephone:	0800 220 002
Email:	info@sipcam.co.nz

1.4 Emergency telephone number 0800 CHEMCALL (0800 243 622)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Hazardous Chemical

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996
HSNO Substance Approval: HSR000732
Eye irritation Category 2, Designed for biocidal action.

2.2 Label elements:

Pictograms:



Signal Word: WARNING

Hazard statements:

H319	Causes serious eye irritation.
	Designed for biocidal action.

Precautionary statements:

Prevention

P103	Read label before use.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear eye or face protection.

Response

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

P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage

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Disposal

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion % w/w
Dipotassium phosphite	13492-26-7	<30*
Other ingredients**	Trade secret	balance

* This is a commercial product whose exact ratio of components may vary slightly.

**Do not affect the hazardous classifications of the product.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Information:

For advice call the National Poisons Centre, telephone 0800 POISON [0800 764 766]. Have label or Safety Data Sheet at hand.

Ingestion: If swallowed, rinse mouth with water. Call the NATIONAL POISONS CENTRE or doctor for advice if person feels unwell.

Skin Contact: Remove contaminated clothing and wash skin with plenty of soap and water. Get medical advice if irritation persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTRE or doctor for advice if irritation persists.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor for advice if person feels unwell.

4.2 Symptoms caused by exposure

Unlikely to cause harmful effects under normal conditions of handling and use.

4.3 Medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray or fog, carbon dioxide, foam or dry chemical as appropriate for surrounding materials. Avoid using a water jet. Contain extinguishing media to prevent runoff into drains, sewers, waterways.

5.2 Specific hazards arising from the chemical

Product is non-combustible in hot fire.

Fire decomposition products, e.g. phosphorous oxides, may be toxic and corrosive.

Evacuate people to safe area upwind of fire.

5.3 Special protective equipment and precautions for fire fighters

Wear full personal protective equipment including with self-contained breathing apparatus (SCBA).

5.4 HAZCHEM

Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Have this SDS available. In the event of a spill, wear appropriate protective clothing, eye and skin protection. Clear area of unprotected personnel. Wash contaminated personal protective equipment and clothing, and dry before re-use.

6.2 Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

6.3 Methods and materials for containment and cleaning up

Contain spilled material. Recover into labelled drums that can be sealed for safe disposal. Dispose of contaminated materials to approved landfill in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Read the label before use.

Avoid contact with skin and eyes. Avoid inhalation of spray mist/aerosols. Use in well-ventilated area. Wear protective equipment such as coat/trouser (overalls), boots, gloves and eye protection. Wash hands and exposed skin with soap and water after handling and before rest or meal breaks. Do not use spray equipment contaminated with this product for any other purpose unless first thoroughly cleaned with a suitable cleaning detergent.

7.2 Conditions for safe storage

Store securely in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area. . Keep away from food, drink and animal feedstuffs.

Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters – exposure standards, biological monitoring

Ingredient	TWA (mg/m^3)	STEL (mg/m^3)
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No biological limits applicable.

8.2 Engineering controls

Use in well-ventilated area or outdoors.

8.3 Personal protective equipment (PPE)

The following Standards provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Eye/Face Protection: Wear chemical splash goggles or face shield if eye contact is possible.

Skin Protection: Wear impervious chemical resistant gloves (e.g. PVC, nitrile, butyl), coveralls, socks and chemical resistant footwear. For overhead spray exposure, wear chemical resistant headgear. Ensure all skin areas are covered.

Respirator: Use outdoors in well-ventilated area or use local exhaust ventilation. Where product is being sprayed and a mist could be produced a respirator should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Slight
Odour threshold	Not known
pH	7.0
Melting/Freezing Point	No data available
Boiling Point /Range	100 ^{0}C
Flash point	Non flammable
Flammability (solid, gas)	Not applicable
Vapour Pressure	No data available
Vapour density	No data available
Density	ca 1.4
Solubility	Soluble in water
Partition Co-efficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Particle characteristics:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

This product is unlikely to react or decompose under normal storage conditions.

10.2 Chemical stability

Stable under normal temperatures and pressure for storage and use.

10.3 Conditions to Avoid

Contact with oxidising agents, alkalis and strong acids.

10.4 Incompatible materials and possible hazardous reactions

Hazardous decomposition products (phosphorous oxides) formed at high temperatures (combustion).

10.5 Hazardous decomposition products

Fire Decomposition: Phosphorous oxides, Carbon oxides, fumes, smoke and other unspecified compounds.

10.6 Polymerisation

Not known to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on product.

11.2 Toxicological information

Acute toxicity:	Product is not classified for acute toxicity if ingested, in contact with skin or inhaled.
Aspiration hazard:	Product is not classified with aspiration hazard.
Respiratory irritation:	May be mildly irritating.
Skin corrosion/irritation	Not classified. Mildly irritating to skin.

Serious eye damage/irritation	Serious eye irritant.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity:	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity – single/repeated exposure	Not classified
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.

11.3 Toxicological data:

Dipotassium phosphite	Oral, rat LD_{50} >2000 mg/kg b.w Dermal, rat LD_{50} >5000 mg/kg b.w.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product is classified for biocidal action.

12.2 Environmental Fate

Breakdown in soil and groundwater: Oxidises to phosphate in the environment.

Bioaccumulation: Not expected to bioaccumulative.

Partition coefficient (octanol/water): Not available.

Soil mobility: product is soluble in water.

12.3 Ecotoxicity data: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Disposal

Refer to product label. If possible, dispose of by using according to the label. Otherwise dispose of to an approved landfill in accordance with local regulations.

13.2 Container Disposal

Refer to product label. Do not use packaging for storage of other products. Empty packaging should be disposed of to an approved recycler or crushed and sent to approved landfill.

SECTION 14: TRANSPORT INFORMAITON

Road and Rail Transport:

Not classified as Dangerous Good according to NZS5433 Transport of Dangerous Goods on Land

Marine Transport (IMO/IMDG):

Not Classified as Dangerous Good by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not Classified as Dangerous Good by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

UN Number: Non- regulated

UN Proper Shipping Name:

Transport hazard class(es)

Packing Group:

HAZCHEM:
Special Precautions for User:
IMDG Marine pollutant:
Transport in Bulk: -

SECTION 15: REGULATORY INFORMATION

15.1 HSNO Act 1996

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

Approved substance number:	HSR000732; Soluble concentrate containing 400 g/litre phosphorous acid
Hazardous classifications:	Eye irritation Category 2, Designed for biocidal action
Controls:	Refer to control on www.epa.govt.nz for complete wording for variation Controls. Hazardous Property Control, Clause 52 applies: Do not apply directly into or onto water.

Safety Data Sheet:	Any quantity
Restricted to workplace only:	No
Quantity that requires management in accordance with HSW HS Regulations:	-
Quantity for secondary containment and emergency response plan:	>10000 L
Quantity for signage:	>10000 L
Qualified Handler:	No

Additional information: Refer to HS Notices (www.epa.govt.nz) and HSW HS Regulations (www.worksafe.govt.nz)

15.2 ACVM Act 1997

Registration number: Exempt (home garden use only and not to be applied to crops that will be consumed as food by humans or animals).
Refer to www.foodsafety.govt.nz for registration conditions.

SECTION 16: OTHER INFORMATION

16.1 Date of preparation or last revision of SDS

SDS issued	02 July 2026
SDS supersedes	25th January 2023
Reason issued	Company change

16.2 ABREVIATIONS

ADI	Acceptable Daily Intakes
CAS number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
ECHA	European Chemicals Agency
EPA	Environmental Protection Authority
ErC_{50}	Half maximal Effective Concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals

Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC_{50}	Median Lethal Concentration
LD_{50}	Median Lethal Dose
SDS	Safety Data Sheets
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
SWA	Safety Work Australia
TWA	Time-Weighted Average
UN Number	United Nations Number

16.3 REFERENCES

EPA CCID and Approved Substance databases

PPDB- Pesticides Properties DataBase

16.4 OTHER

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Information contained in this Safety Data Sheet is provided in good faith and is believed to be correct at the date hereof. However, it's expected that individuals receiving the information will exercise independent judgement in determining its appropriateness for a particular purpose. Sipcam New Zealand Ltd makes no representation whatsoever as to the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability whatsoever, whether with respect to negligence or otherwise, and no responsibility as permitted by law for any loss or damage arising from or connection with the supply or use of the information in this Safety Data Sheet.

End of Safety Data Sheet