

# Safety Data Sheet

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## Section 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

### Product identifier

**Product Name** Peters Professional Blossom Booster  
**Product ID** 21030215AU

### Other means of identification

**Proper shipping name** Not regulated

**Synonyms:** Peters Professional 10-13.1-16.6+1.2Mg+TE

### Recommended use of the chemical and restrictions on use

**Recommended Use** Fertilizer (PC12). Restricted to professional users.

### Details of manufacturer or importer

#### Manufacturer

Everris Australia Pty Ltd, 211/33 Lexington Drive, Bella Vista, NSW 2153, Australia. Tel: +61(2) 8801 3300

**E-mail address** INFO-MSDS@EVERRIS.COM

#### Emergency telephone number

Australia: (02) 8014 4558  
 New Zealand: (09) 9929 1483

## Section 2: HAZARD(S) IDENTIFICATION

### GHS Classification

Mixture

Not a hazardous substance or mixture in Australia or New Zealand according to the Globally Harmonized System of classification.

### Oxidizing solids

### Label elements

#### **Hazard statements**

Not a hazardous substance or mixture in Australia or New Zealand according to the Globally Harmonized System of classification.

#### Other hazards which do not result in classification

No hazards to be especially mentioned

## Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS IN ACCORDANCE WITH SCHEDULE 8

### Substance

Chemical name	CAS No	EC No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Potassium nitrate; KNO <sub>3</sub>	7757-79-1	231-818-8	30 - 60%	Ox. Sol. 3 (H272)	01-2119488224-35
Boric acid; H <sub>3</sub> BO <sub>3</sub>	10043-35-3	233-139-2	0.1 - 1%	Repr. 1B (H360FD)	01-2119486683-25

60% of the other ingredients are determined not be hazardous.

## Section 4: FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	First aid measures should be executed by trained personnel only.
<b>Inhalation</b>	Remove to fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary. Possible symptoms are coughing and/or dyspnoea. If breathing is difficult, give oxygen.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Possible symptoms are nausea and/or vomiting. If a person vomits when lying on his back, place him in the recovery position. Do not induce vomiting without medical advice. Consult a physician if necessary.

### Most important symptoms and effects, both acute and delayed

**Symptoms** no data available.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## Section 5: FIREFIGHTING MEASURES

### Suitable Extinguishing Media

**Suitable Extinguishing Media** CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams. Dry chemical. Foam.

### Special protective actions for fire-fighters

**Special protective equipment for fire-fighters** Coordinate fire extinguishing measures to fire in surrounding area.

## Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation. Avoid generation of dust.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## Section 7: HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Use personal protection equipment.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Protect from sunlight.

**Incompatible materials** None known based on information supplied.

## Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters

<b>Potassium nitrate; KNO<sub>3</sub></b>	
Australia	> 10 mg/m <sup>3</sup>
<b>Boric acid; H<sub>3</sub>BO<sub>3</sub></b>	
Australia	12 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** No special protective equipment required.

**Skin and body protection:** No special protective equipment required.

**Hand Protection** Nitrile rubber. Break though time >8h.

**Environmental exposure controls** no data available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Solid  
**Appearance:** Powder(s)  
**Color:** Off-white, blue  
**Odor:** Fertilizer.  
**Odor Threshold:** No data available

**pH** 4.5 (@ 200 g/l)  
**Melting Point/Freezing Point:** No data available  
**Boiling Point/Range:** No data available  
**Flash Point:** No data available  
**Evaporation Rate:** no data available

Flammability (solid, gas):	Non-flammable
Vapor Pressure:	No data available
Vapour density	No data available
Water Solubility:	no data available
Partition Coefficient:	no data available
Autoignition Temperature:	No data available
Hyphen	no data available
Kinematic Viscosity:	No data available
Dynamic Viscosity:	no data available

**Other information**

Softening Point:	no data available
Molecular Weight:	no data available
VOC Content (%)	No data available
Particle Size	
Particle Size Distribution	

## Section 10: STABILITY AND REACTIVITY

**Reactivity** Not reactive.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Hazardous Decomposition Products:** Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Conditions to Avoid:**

**Conditions to avoid** For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

**Incompatible materials**

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products**

**Hazardous Decomposition Products** None known based on information supplied.

## Section 11: TOXICOLOGICAL INFORMATION

**Acute toxicity****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	May cause redness, itching, and pain.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Symptoms** no data available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium nitrate; KNO <sub>3</sub>	= 3015 mg/kg ( Rat )	> 2000 mg/kg	> 527 mg/m <sup>3</sup>
Boric acid; H <sub>3</sub> BO <sub>3</sub>	= 2660 mg/kg ( Rat )	> 2000 mg/kg	> 0.16 mg/L ( Rat ) 4 h

See section 16 for terms and abbreviations

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

**skin corrosion/irritation** Classification based on individual ingredients of the mixture.  
**Serious eye damage/eye irritation** Classification based on individual ingredients of the mixture.  
**Respiratory or skin sensitization** Classification based on individual ingredients of the mixture.  
**Germ Cell Mutagenicity** Classification based on individual ingredients of the mixture.  
**Carcinogenicity** Classification based on individual ingredients of the mixture.  
**Reproductive Toxicity** Classification based on individual ingredients of the mixture.  
**STOT - Single Exposure** Classification based on individual ingredients of the mixture.  
**STOT - Repeated Exposure** Classification based on individual ingredients of the mixture.  
**Aspiration Hazard** Classification based on individual ingredients of the mixture.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

**Ecotoxicity** Do not allow product to enter the environment uncontrolled.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Boric acid; H <sub>3</sub> BO <sub>3</sub>	-	-	-	EC50: 115 - 153mg/L (48h, Daphnia magna)

**Persistence and degradability**

**Persistence and Degradability:** no data available.

**Bioaccumulative potential**

**Bioaccumulation** No information available.

**Mobility**

**Mobility in soil** no data available.

**Mobility** no data available.

Chemical name	Partition coefficient
Boric acid; H <sub>3</sub> BO <sub>3</sub>	-0.757

**Other adverse effects**

**Other adverse effects** No information available.

### Section 13: DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### Section 14: TRANSPORT INFORMATION

**ADG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**Marine Pollutant:** Not regulated

**Bulk transport according Annex II of MARPOL and IBC Code**

no data available

### Section 15: REGULATORY INFORMATION

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

**National regulations**

**New Zealand:**

**Hazardous Substances Regulations** Not regulated

**Australia**

See section 8 for national exposure control parameters

**International Inventories:**

**TSCA** This product complies with USINV

**ENCS** This product complies with encs:

**Australian Inventory of Chemical Substances** This product does not comply with AICS

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applied

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

### Section 16: ANY OTHER RELEVANT INFORMATION

**Prepared by** Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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**Revision Note** Not applied

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ADG: Australian Dangerous Goods code

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organization

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No Effect Concentration

DNEL: Derived No-Effect Level

REACH: Registration, Evaluation, Authorization of Chemicals

CLP: EU-GHS; Classification, Labelling and Packaging

OEL: Occupational Exposure Limit

TWA: Time Weighted Average

ATE: Acute Toxicity Estimate

EUH phrase: CLP (EU) specific hazard statement

LD50: Lethal dose, 50%.

LC50: Lethal concentration, 50%.

SVHC: Substance of Very High Concern.

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

\*

Skin designation

**Disclaimer**

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**End of Safety Data Sheet**