

**SECTION 1: Identification**

**Product Name:** TOPBUXUS Grow

**Other Means of Identification:** GR0,5 – GR5 – GR20

**Recommended use:** Fertilizer for Buxus

<b>Contact details of Importer:</b>	<b>Location</b>	<b>Phone number</b>
TOPBUXUS Australia Pty Ltd 10 Gladstone PL South Melbourne 3205	Australia	03 9943 3034

TOPBUXUS New Zealand 145 Dominion Road Mount Eden Auckland 1024	New Zealand	09 573 3007
--	-------------	-------------

**Emergency contact details:**

*For emergencies only, DO NOT contact these companies for general product advice.*

<b>Organisation</b>	<b>Location</b>	<b>Phone number</b>
Poisons Information Centre	Australia	131 126
National Poisons Centre	New Zealand	0800 764766

**SECTION 2: Hazards identification**

**Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia.**

**Dangerous Goods Classification**

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail and the New Zealand NZS5433: Transport of Dangerous Goods on Land.

**SECTION 3: Composition/information on ingredients**

<b>Ingredient</b>	<b>Product identifier</b>	<b>Proportion</b>
Blend of granular fertilizers	Not set	100%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures**

**General Information:** Treat symptomatically

**Inhalation:** Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious person. Seek medical advice if needed.

**Symptoms Caused by Exposure:**

Inhalation: May cause respiratory tract irritation.

Skin Contact: No known significant effects or critical hazards.

Eye Contact: May cause eye irritation, redness and lachrymation.

Ingestion: Irritating to mouth, throat and stomach.

# Topbuxus Grow

## Safety Data Sheet

### SECTION 5: Firefighting measures

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Suitable Extinguishing Media:** Not combustible. Use extinguishing media suited to burning materials.

**Specific hazards arising from the chemical:** The product itself is not combustible but it can support combustion, even in absence of air. On heating it melts and further heating can cause decomposition, releasing toxic fumes containing nitrogen oxides and ammonia. Decomposition products may include the following materials: nitrogen oxides, sulfur oxides, phosphorus oxides, ammonia, Avoid breathing dusts, vapors or fumes from burning materials., In case of inhalation of decomposition products in a fire, symptoms may be delayed.

**Special protective actions for fire-fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Remark:** Prevent fire extinguishing water from entering drains. Prevent fire extinguishing water from contaminating surface water or the ground water system.

<b>Flash point:</b>	Does not burn.
<b>Upper Flammability Limit:</b>	Does not burn.
<b>Lower Flammability Limit:</b>	Does not burn.
<b>Autoignition temperature:</b>	Not applicable - does not burn.
<b>Flammability Class:</b>	Does not burn.

### SECTION 6: Accidental release measures

#### Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

#### Environmental Precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and Materials for Containment and Cleaning Up:

Move containers from spill area. Avoid dust generation. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labelled waste container. Place spilled material in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Provide adequate ventilation.

### SECTION 7: Handling and storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

### SECTION 8: Exposure controls/personal protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

#### SWA Exposure Limits TWA (mg/m3) STEL (mg/m3)

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.

# Topbuxus Grow

## Safety Data Sheet

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious gloves and facial protection when handling this product. See below for suitable material types.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: cotton, rubber, PVC.

**Respiratory Protection:** If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable dust mask.

### SECTION 9: Physical and chemical properties

#### Appearance:

<b>Form:</b>	Solid
<b>Colour:</b>	White
<b>Odour:</b>	Odorless
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	>133 °C
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	Product is not flammable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available

#### Explosion Limits:

<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	1000-1400 kg/m <sup>3</sup>
<b>Relative Density:</b>	No information available
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Soluble in water
<b>Partition Coefficient (n-octanol/water):</b>	No information available

### SECTION 10: Stability and reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.

**Conditions to Avoid:** Heat. Avoid contamination by any source including metals, dust and organic materials.

**Incompatibilities:** alkalis, combustible materials, reducing materials, organic materials, acids.

**Fire Decomposition:** In case of a fire, see section 5

### SECTION 11: Toxicological information

**Toxicity :** No known significant effects or critical hazards.

**Inhalation:** May cause respiratory irritation.

**Skin:** No known significant effects or critical hazards.

**Eye:** Causes serious eye irritation, redness and lachrymation.

**Ingestion:** Harmful if swallowed.

**Skin Corrosion / Irritation:** Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be irritating, but is unlikely to cause anything more than mild transient discomfort.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** No known significant effects or critical hazards.

**Germ Cell Mutagenicity:** No known significant effects or critical hazards.

# Topbuxus Grow

## Safety Data Sheet

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** No known significant effects or critical hazards.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

No known significant effects or critical hazards.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

No known significant effects or critical hazards.

**Aspiration Hazard:** No known significant effects or critical hazards.

### SECTION 12: Ecological information

**Toxicity:** No known significant effects or critical hazards.

**Persistence and Degradability:** No known significant effects or critical hazards.

**Bioaccumulative Potential:** No known significant effects or critical hazards.

**Mobility in Soil:** No data available.

**Other adverse effects:** No further relevant information available.

### SECTION 13: Disposal considerations

**General Information:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

**Special Precautions for Land Fill:** Contact a specialist disposal company or the local waste regulator for advice.

### SECTION 14: Transport information

This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

### SECTION 15: Regulatory information

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants)

The Rotterdam Convention (Prior Informed Consent)

Basel Convention (Hazardous Waste)

International Convention for the Prevention of Pollution from Ships (MARPOL)

All significant components of this product are compliant with the Australian Inventory of Chemical Substances (AICS) regulations.

**New Zealand HSNO Approval Code:**

Based on available information, classified as a Fertiliser (Subsidiary Hazard) Group Standard HSR002571 according to the Hazardous Substances and New Organisms Act 1996.

All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

# Topbuxus Grow

## Safety Data Sheet

### SECTION 16: Other information

This SDS contains only safety-related information. For other data see product literature.

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS No.</b>	Chemical Abstracts Service Registry Number
<b>EC50</b>	EC stands for effective concentration. EC50 is the median effective concentration of a substance in an environmental medium expected to produce a certain effect in 50% of test in a given population under a defined set of conditions.
<b>HEPA</b>	High-Efficiency Particulate Air
<b>HSNO</b>	Hazardous Substance and New Organism
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IMSBC</b>	International Maritime Solid Bulk Cargoes
<b>LC50</b>	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
<b>LD50</b>	LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
<b>MARPOL</b>	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
<b>NZIoC</b>	New Zealand Inventory of Chemicals
<b>SCBA</b>	Self Contained Breathing Apparatus
<b>STEL</b>	Short Term Exposure Limits
<b>STOT</b>	Specific Target Organ Toxicity
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>TWA</b>	Time Weighted Average

#### Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation. **DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*