



## FBSCIENCES INC

### Safety Data Sheet Ampli-K Soil 0-0-25

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#### SECTION 1: Identification

##### 1.1 GHS Product identifier

Product name Ampli-K Soil 0-0-25

Product number FBS 1252

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

Fertilizer

##### 1.4 Supplier's details

Name FBSciences Inc  
Address 153 North Main Street Suite 100  
Collierville TN 38017

Telephone 901-221-1200

##### 1.5 Emergency phone number

CHEMTREC 1-800-424-9300

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#### SECTION 2: Hazard identification

##### 2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation (C.4.5), Cat. 2A

##### 2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

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H319 Causes serious eye irritation

### Precautionary statement(s)

P264 Wash hands thoroughly after handling.  
P280 Wear eye protection/face protection.  
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.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Component	Concentration
Potassium carbonate (CAS no.: 584-08-7) CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified

#### Trade secret statement (OSHA 1910.1200(i))

\*Exact percentage has been withheld as trade secret.

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice Get medical advice/attention if you feel unwell.  
If inhaled Remove person to fresh air and keep comfortable for breathing.  
In case of skin contact Wash off with soap and plenty of water.  
In case of eye contact Flush eyes with water as a precaution.  
If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 4.2 Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use. May cause eye irritation. May produce skin irritation.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2 Specific hazards arising from the chemical

No data available.

### 5.3 Special protective actions for fire-fighters

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Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

#### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. For precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### 1. Potassium carbonate (CAS: 584-08-7)

#### 8.2 Appropriate engineering controls

Ensure good ventilation of the work station.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with protective gloves that are impervious to the chemical substance.

##### Body protection

Wear suitable protective clothing.

##### Respiratory protection

In case of insufficient ventilation, wear A NIOSH certified respirator with APF>10, in accordance with OSHA respirator regulations found in 29 CFR 1910.134.

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### SECTION 9: Physical and chemical properties and safety characteristics

Physical state  
Appearance  
Color

Liquid  
brown liquid  
brown

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Odor	No data available.
Odor threshold	No data available.
pH	10.5 (in 1% solution)
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Vapor pressure	No data available.
Relative vapor density	No data available.
Density and/or relative density	1.40-1.44 g/mL
Solubility	No data available.
Partition coefficient n-octanol/water (log value)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

### Particle characteristics

No data available.

### Supplemental information regarding physical hazard classes

No data available.

### Further safety characteristics (supplemental)

No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

None under normal use and recommended storage conditions.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

No data available.

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## SECTION 11: Toxicological information

### Information on toxicological effects

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## Ampli-K Soil 0-0-25

### Acute toxicity

Not classified

Potassium carbonate CAS No 584-08-7

LD50 (oral rat) 1870 mg/kg

### Skin corrosion/irritation

Not classified

pH:10.5 (in 1% solution)

### Serious eye damage/irritation

Causes eye irritation

pH: 10.5 (in 1% solution)

### Respiratory or skin sensitization

Not classified

### Germ cell mutagenicity

Not classified

### Carcinogenicity

Not classified

### Reproductive toxicity

Not classified

### Summary of evaluation of the CMR properties

Not classified

### STOT-single exposure

No data available.

### STOT-repeated exposure

No data available.

### Aspiration hazard

No data available.

### Additional information

No data available.

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## SECTION 12: Ecological information

### Toxicity

Ecology- general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Potassium carbonate CAS no 584-08-0

LC50 fish 1: 200 mg/L (72 hr Pisces)

EC50 Daphnia 1: 200 mg/L (48 hr Daphnia pulex)

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LC50 fish 2: 68 mg/L ( 96 hr Oncorhynchus mykiss)

### Persistence and degradability

Biodegradability not applicable. No data on mobility available.

### Bioaccumulative potential

Not applicable.

### Mobility in soil

No additional information available.

### Results of PBT and vPvB assessment

No data available.

### Endocrine disrupting properties

No data available.

### Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations.

#### Packaging disposal

Dispose in a safe manner in accordance with local/national regulations

#### Waste treatment

Dispose of contents/container in accordance with licensed collector's sorting instructions.

#### Sewage disposal

Prevent liquid from entering sewers, watercourses, underground or low areas.

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## SECTION 14: Transport information

14.1	UN Number	None
14.2	UN Proper Shipping Name	None
14.3	Transport hazard class(es)	None
14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for user	None
14.7	Transport in bulk according to IMO instruments	None

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### Canadian Domestic Substances List (DSL)

Chemical name: Carbonic acid, dipotassium salt

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CAS: 584-08-7

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**SECTION 16: Other information**

**16.1 Further information/disclaimer**

The directions for use of this product are believed to be adequate and must be followed carefully. The use of this product is beyond the control of the manufacturer, and, therefore, to the extent consistent with applicable law, no warranty, representation, or guarantee of any kind, expressed or implied, is made as to the effects of such use or any results obtained if not used in accordance with printed directions and established safe practice or if unusual or extraordinary weather conditions occur. To the extent consistent with applicable law, the buyer's exclusive remedy and manufacturer's or seller's exclusive liability in tort or otherwise, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed.

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