



**FBSCIENCES INC**  
**Safety Data Sheet**  
**K-Surge**

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**SECTION 1: Identification**

**Product identifier**

Product name                    K-Surge

Product number                 FBS 1153

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

Fertilizer

**Supplier's details**

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

Telephone                        901-221-1200

**Emergency phone number(s)**

CHEMTREC 1-800-424-9300

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**SECTION 2: Hazard identification**

**Classification of the substance or mixture**

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

Not a hazardous substance or mixture.

**GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.

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

**Mixtures**

# Safety Data Sheet

## K-Surge

### Hazardous components

#### 1. Potassium acetate

Concentration Not specified, Trade secret\*

Other names / synonyms Acetic acid, potassium salt; Acetic acid, potassium salt (1:1); Kalii acetas;  
CAS no. 127-08-2

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

\*Exact percentage has been withheld as trade secret.

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## SECTION 4: First-aid measures

### 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.

### 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.

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

Treat symptomatically

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

### Specific hazards arising from the chemical

No data available.

### Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

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## SECTION 6: Accidental release measures

### 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.

# Safety Data Sheet

## K-Surge

### 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

### 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.

### 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

### Control parameters

#### 1. Potassium acetate (CAS: 127-08-2)

### Appropriate engineering controls

Ensure good ventilation of the work station.

### 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

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid; light colour
Odor	No data available.
Odor threshold	No data available.
pH	6-8
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.

# Safety Data Sheet

## K-Surge

Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.22-1.26 g/ml
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

### Other safety information

No data available.

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## SECTION 10: Stability and reactivity

### Reactivity

None under normal use conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal use conditions.

### Conditions to avoid

None under normal use and recommended storage conditions.

### Incompatible materials

Strong oxidizing agents

### Hazardous decomposition products

No data available.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not classified

#### Skin corrosion/irritation

Not classified

pH: 6-8

#### Serious eye damage/irritation

Not classified

#### Respiratory or skin sensitization

Not classified

# Safety Data Sheet

## K-Surge

### Germ cell mutagenicity

Not classified

### Carcinogenicity

Not classified

### Reproductive toxicity

Not classified

### STOT-single exposure

Not classified

### STOT-repeated exposure

Not classified

### Aspiration hazard

Not classified

### Additional information

Symptoms/injuries after inhalation: May cause slight irritation.

Symptoms/injuries after skin contact: May cause slight irritation to the skin.

Symptoms/injuries after eye contact: May cause irritation.

Symptoms/injuries after ingestion: May cause gastrointestinal discomfort.

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## SECTION 12: Ecological information

### Toxicity

Not classified

### Persistence and degradability

Not established

### Bioaccumulative potential

Not established

### Mobility in soil

No additional information

### Other adverse effects

Avoid uncontrolled release to the environment.

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## SECTION 13: Disposal considerations

### Disposal of the product

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

### Disposal of contaminated packaging

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.

# Safety Data Sheet

## K-Surge

### Sewage disposal

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

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

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

#### Canadian Domestic Substances List (DSL)

Chemical name: Acetic acid, potassium salt

CAS: 127-08-2

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## SECTION 16: Other information

### 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.

The information and recommendations contained herein are based upon data believed to be correct. However, there is no guarantee or warranty of any kind expressed or implied made with respect to the information contained herein.