

SAFETY DATA SHEET

K Phos Boost Bolus

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SDS Name: K Phos Boost Bolus

Synonyms:

Product Use: For use as phosphorous and potassium supplement in freshening cows

Description: Cattle Bolus

Manufactured/Distributed by: AVL/Solvjet Animal Health
7226- 107th Avenue South East
Calgary, Alberta Canada
T2C5N6

Telephone: +1 905 829-9500

Fax: +1 905 829-9292

Website: All Safety Data Sheets are available via our AVL or Solvjet website at:
<https://avetlabs.com/>
<https://solvjet.ca/>

Email: orders@avetlabs.com

Emergency number: 1-866-531-8896 (Rocky Mountain Poison and Drug Center)
1-800-366-5288 (Product Support/Technical Services)

24 Hours:
Spill/CHEMTREC (within USA and Canada): 1-800-424-9300
Spill/CHEMTREC (outside USA and Canada): +1 703-527-3887 (collect calls accepted)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	Formula	EC No.	CAS #	Molecular Weight
Dipotassium hydrogen phosphate	HK ₂ O ₄ P	231-834-5	7758-11-4	174.18 g/mol

No components need to be disclosed according to the applicable regulations.

Further information: Full text of Hazard Statements listed in this Section is provided in Section 16.

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS

None

4. FIRST AID MEASURES

Description of first aid measures

Inhalation	After inhalation: fresh air.
Eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses.
Skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Ingestion	After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media:

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture:

Nature of decomposition products not known. Not combustible.
Ambient fire may liberate hazardous vapours.

Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus.

Further information:

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE**Precautions for safe handling**

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Tightly closed. Dry.

hygroscopic

Storage class (TRGS 510): 11: Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**Control parameters**

No occupational exposure limits known.

Exposure controls

Appropriate engineering controls	Change contaminated clothing. Wash hands after working with substance.
Eye / face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Skin protection - Hand protection	<p>This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).</p> <p>Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L</p> <p>This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).</p> <p>Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L</p>
Respiratory protection	<p>required when dusts are generated.</p> <p>Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.</p>
Control of environmental exposure	Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Color:	White
Odor:	Odorless
Odor threshold:	Not applicable
pH:	9.2 - weakly alkaline
Melting/ Freezing point:	Melting point/range: > 450 °C (> 842 °F) - Regulation (EC) No. 440/2008, Annex, A.1
Boiling point:	No data available
Boiling range:	No data available
Flash point:	Not applicable
Flammability (solid, gas):	No data available
Flammability limits:	No data available

Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	2.45 at 20.5 °C (68.9 °F) - Regulation (EC) No. 440/2008, Annex, A.3
Water solubility:	Completely soluble
Partition coefficient:	Not applicable for inorganic substances
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

10. STABILITY AND REACTIVITY**Reactivity:**

No data available.

Chemical Stability:

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions:

No data available.

Conditions to Avoid:

Exposure to moisture.

Incompatible Materials:

Strong oxidizing agents.

Hazardous decomposition products:

In the event of fire: see section 5.

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects:**

Acute toxicity	LD50 Oral - Rat - female - > 2,000 mg/kg (OECD Test Guideline 420) LC50 Inhalation - Rat - male and female - 4 h - > 0.83 mg/l (OECD Test Guideline 403) Remarks: (highest concentration to be prepared) (in analogy to similar products) The value is given in analogy to the following substances: sodium dihydrogen phosphate LD50 Dermal - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 402) No data available.
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Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 24 h Remarks: (ECHA)
Serious eye damage/irritation	Eyes - Rabbit Result: No eye irritation - 24 h (OECD Test Guideline 405)
Respiratory or skin sensitisation	Local lymph node assay (LLNA) - Mouse Result: negative (OECD Test Guideline 429)
Germ cell mutagenicity	Micronucleus test Human lymphocytes Result: negative In vitro mammalian cell gene mutation test mouse lymphoma cells Result: negative Remarks: (ECHA) Ames test Escherichia coli/Salmonella typhimurium Result: negative
Carcinogenicity	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available
Specific target organ toxicity -single exposure	No data available
Specific target organ toxicity -repeated exposure	No data available
Aspiration hazard	No data available

Additional information

Lowered blood pressure, Abdominal pain, Nausea, Vomiting

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

After uptake of large quantities:

Possible symptoms:

Nausea

Vomiting

gastric pain

Diarrhea

Discomfort

However, when the product is handled appropriately, hazardous effects are unlikely to occur.

Handle in accordance with good industrial hygiene and safety practice.

12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish	semi-static test LC50 - <i>Oncorhynchus mykiss</i> (rainbow trout) - > 100 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - <i>Daphnia magna</i> (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test ErC50 - <i>Desmodesmus subspicatus</i> (green algae) - > 100 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	static test EC50 - activated sludge - > 1,000 mg/l - 3 h (OECD Test Guideline 209) static test NOEC - activated sludge - 1,000 mg/l - 3 h (OECD Test Guideline 209)

Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects

Depending on the concentration, phosphorus compounds may contribute to the eutrophication of water supplies.

Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods - Product**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers or contact us there if you have further questions.



14. TRANSPORT INFORMATION

TDG

Not regulated as a dangerous good

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. OTHER INFORMATION

Further Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solvet and Alberta veterinary Laboratories and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.avl.com and www.solvet.ca and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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