



SAFETY DATA SHEET

TUMIL-K® Potassium Gluconate Powder

1. IDENTIFICATION

Product Name	TUMIL-K® Potassium Gluconate Powder
Recommended use of the chemical and restrictions on use	
Identified uses	Potassium supplement for cats and dogs
Restrictions on Use	For animal use only.
Company Identification	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161 (800) 338-3659
Customer Information Number	
Emergency Telephone Number	
CHEMTREC Number	(800) 424-9300
Other Emergency Number:	Poison Control Center: 1-800-222-1222 (human) HOT LINE NUMBER: 1-800-345-4735 (human and pet)
Issue Date	April 24, 2017
Supersedes Date	September 18, 2015
<i>Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</i>	

2. HAZARD IDENTIFICATION

Hazard Classification
Sensitization - Respiratory - Category 1

Label Elements
Hazard Symbols



Signal Word: Danger

Hazard Statements
May cause allergy or asthma or breathing difficulties if inhaled.

Precautionary Statements

Prevention

Avoid breathing dust.
In case of inadequate ventilation wear respiratory protection.

Response

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a poison center or doctor.

Storage

None

Disposal

Dispose of contents/container in accordance with local regulation.

Other Hazards

This product may cause a reaction in individuals with pork allergies.



2. HAZARD IDENTIFICATION

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	20 - 30%
Acute dermal toxicity	20 - 30%
Acute inhalation toxicity	20 - 30%
Acute aquatic toxicity	20 - 30%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Potassium Gluconate	299-27-4	70 - 80%
Desiccated Pork Liver	NA	20 - 30%

4. FIRST - AID MEASURES

Description of necessary first-aid measures

Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

Wash skin with soap and water. Obtain medical attention if redness or soreness persists.

Ingestion

Contact a physician immediately if ingested. Physician may call a poison control center for advice concerning human ingestion.

Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Use extinguishing media appropriate for surrounding materials.

Unusual Fire and Explosion Hazards

This product is a dust and if significant amounts are suspended in air may pose an explosion risk during a fire.



5. FIRE - FIGHTING MEASURES

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Prevent skin and eye contact.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Sweep up and transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective clothing. Prevent skin and eye contact. Wash hands thoroughly after handling.

Conditions for safe storage

Store in original container at controlled room temperature of 59°- 86° F (15°-30°C) away from children and pets.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Potassium Gluconate

None established.

Appropriate engineering controls

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Individual protection measures

Respiratory Protection

Not required under normal conditions of use.

Skin Protection

Not required under normal conditions of use.

Eye/Face Protection

Safety glasses or goggles.

Body Protection

Normal work wear.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	Solid (powder)
	Color	Brown/white mix
Odor		None
Odor Threshold		No data available
pH		No data available
Specific gravity		No data available
Boiling Range/Point (°C/F)		No data available
Melting Point (°C/F)		No data available
Flash Point (PMCC) (°C/F)		Not flammable
Vapor Pressure		No data available
Evaporation Rate (BuAc=1)		No data available
Solubility in Water		No data available
Vapor Density (Air = 1)		No data available
VOC		No data available
Partition coefficient (n-octanol/water)		Not applicable
Viscosity		Not applicable
Auto-ignition Temperature		No data available
Decomposition Temperature		No data available
Upper explosive limit		No data available
Lower explosive limit		No data available
Flammability (solid, gas)		No data available

10. STABILITY AND REACTIVITY

Reactivity

Data is not available.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat - high temperatures

Incompatible Materials

Strong oxidizers – strong acids – strong bases

Hazardous Decomposition Products

Oxides of carbon – potassium oxides

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Potassium Gluconate:

LD50 Oral (rat) >5000 mg/kg (based on similar substance)

LD50 Dermal (rat) >2000 mg/kg (based on similar substance)



11. TOXICOLOGICAL INFORMATION

Specific Target Organ Toxicity (STOT) – single exposure

Potassium Gluconate: Available data indicates this ingredient is not expected to cause target organ effects after a single exposure.

Specific Target Organ Toxicity (STOT) – repeat exposure

Potassium Gluconate: Available data indicates this ingredient is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation

Potassium Gluconate: Available data indicates this ingredient is not expected to cause eye irritation.

Skin Corrosion/Irritation

Potassium Gluconate: Available data indicates this ingredient is not expected to cause skin irritation.

Respiratory or Skin Sensitization

Desiccated Pork Liver: May cause allergy or asthma or breathing difficulties if inhaled.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

Potassium Gluconate: Available data indicates this ingredient is not expected to be mutagenic.

Reproductive Toxicity

Potassium Gluconate: Available data indicates this ingredient is not expected to cause reproductive toxicity or birth defects.

Aspiration Hazard

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Potassium Gluconate:

LC50 (*Oryzias latipes*) >100 mg/l 96 h (based on similar substance)

EC50 (*Daphnia magna*) >1000 mg/l 48hr (based on similar substance)

Mobility in soil

Potassium gluconate: Completely soluble in water.

Persistence/Degradability

Potassium gluconate: Readily biodegradable.

Bioaccumulative Potential

Potassium gluconate: None

Other adverse effects

No relevant studies identified.



13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

United States TSCA Inventory

This product is excluded from the US EPA Toxic Substance Control Act and is regulated under the Food, Drug and Cosmetic Act.

California Proposition 65

This product does not contain any materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA Title III Sect. 311/312 Categorization

Respiratory Sensitization

SARA Title III Sect. 313

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: None

16. OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

ECHA: European Chemicals Agency

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

N/A: Denotes no applicable information found or available

NTP: National Toxicology Program OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

Revision Date: April 24, 2017

Replaces: September 18, 2015

Changes made: Update to Sections 1 and 15.

Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.



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16. OTHER INFORMATION

Prepared By: EnviroNet LLC.

TUMIL-K is a registered trademark of Virbac AH, Inc.

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