

MATERIAL SAFETY DATA SHEET

Date: February 26, 2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: 10069112
PRODUCT NAME: VITAMIN K 16 GM/LB (MSBC)
CHEMICAL NAME: Mixture of Vitamin K and a Carrier
CAS NUMBER: N/A

TYPICAL USES: Animal feed supplement

MANUFACTURER: Trouw Nutrition USA, LLC
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(618) 654-2070 [USA]

EMERGENCY CONTACT: (618) 410-8104 (After Hours)

SECTION 2. HAZARDS IDENTIFICATION

Color: Tan
Appearance: Meal
Odor: Typical of Vitamin Mixtures

Potential Health Effects

Eye: May cause eye irritation.

Inhalation: Breathing dust may cause coughing, sneezing and/or respiratory irritation.

Skin: May cause skin dryness and irritation. Wash with soap and water.

Ingestion: Large amounts may be harmful.

SECTION 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percent</u>
Calcium Carbonate	001317-65-3	65.50

SECTION 4. FIRST AID MEASURES

- Eyes:** Flush eyes with clean, low-pressure water for at least 15 minutes while occasionally lifting eyelids. If irritation persists, get medical attention.
- Inhalation:** Avoid generating dust. No adverse effects anticipated by breathing small amounts during proper industrial handling. If there is respiratory irritation or difficulty in breathing, remove from contaminated area to fresh air and get medical attention.
- Skin:** If extensive skin contact occurs, remove contaminated clothing and wash contacted skin with soap and water. If irritation continues, seek medical attention.
- Ingestion/Swallowing:** Rinse mouth. Drink plenty of water. Do not give anything by mouth to an unconscious person. Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

- Flammable Properties:** Not determined
- Flammable Limits:** Not determined
- Unusual Fire and Explosive Hazards:** Not determined
- Fire Extinguishing Media:** Foam, CO₂, dry chemical or water

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is accidentally released or spilled: Sweep, scoop or vacuum discharged material. Keep dust to a minimum. Dispose by methods consistent with federal, state and local regulations.

SECTION 7. HANDLING AND STORAGE

- General Handling Precautions:** Use adequate ventilation and dust collection. Practice good housekeeping.
- Storage Information:** Store in a cool dry location away from incompatible materials. Clumping may occur under humid conditions.
- Shelf life:** Best used within 6 months of manufacture.
- Special Sensitivity:** None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Provide ventilation and particulate control to maintain airborne levels below the exposure guidelines of 10mg/m³
- Personal Protective Equipment:** Always recommended
- Eye Protection:** Contact may cause irritation. Use safety goggles and glasses.
- Respiratory/inhalation Protection:** May cause irritation of the nasal membranes or the upper respiratory tract if dust exceeds the nuisance level. Use NIOSH-MSHA approved dust respirator.
- Skin Protection:** Normally no harmful effects. As a general precaution, use gloves.
- Ingestion:** Large amounts may be harmful. Get medical attention.

Permissible Exposure Limits:

Calcium Carbonate CAS # 001317-65-3 Amount: approx. 65.50%

	TWA		STEL		Ceiling	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
OSHA	N.E.	15 T, 5 R	N.E.	N.E.	N.E.	N.E.
NIOSH	N.E.	10T, 5 R	N.E.	N.E.	N.E.	N.E.
ACGIH	NIC	(10)	N.E.	N.E.	N.E.	N.E.
Canada	N.E.	10T, 5R	N.E.	N.E.	N.E.	N.E.

IDLH (in ppm): --

Carcinogen Status: Not classified

Skin Designation: Not classified

Primary Hazard: (Irritation) BIC

(N.E.-Not Established)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tan Meal

Physical State: Solid (Dry Mixture)

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal conditions.

Material Incompatibility:

None Known

Conditions to avoid:

Keep dry

Hazardous Decomposition Products: Not determined

SECTION 11. TOXICOLOGICAL INFORMATION

Not determined

SECTION 12. ECOLOGICAL INFORMATION

No environmental risk assessment has been made on this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Observe all federal, state and local regulations when disposing of this product. State and local regulations regarding proper disposal may be more restrictive or otherwise different from Federal regulations.

SECTION 14. TRANSPORT INFORMATION

Not a D.O.T. Hazardous Material (49 CFR 172.101). Not regulated

Labeling: Containers of this product need no special warning labels. Only a product identity label is needed.

SECTION 15. REGULATORY INFORMATION

SARA Title III Section 313 Supplier Notification:

This product contains no chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know act of 1986 (40 CFR 372):

This information must be included in all MSDS's that are copied and distributed for this material.

State Regulations

Calcium Carbonate **CAS Number 001317-65-3**

Massachusetts Haz Substance codes: 4
Washington Air Contaminant: TWA (mg): 10

SECTION 16. OTHER INFORMATION

Revised: February 26, 2015
Created: August 9, 2010

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