

----- MATERIAL SAFETY DATA SHEET -----

Fort Dodge

CLOVITE (R)

MANUFACTURER: FORT DODGE LABORATORIES
 800 5TH STREET NW
 PO BOX 518
 FORT DODGE, IA 50501
 EMERGENCY TELEPHONE NO.: (515) 955-4600
 GENERAL INFORMATION NO.: (515) 955-4600
 PREPARATION DATE: November 11, 1994
 REVISION DATE: November 11, 1994

UNUSUAL FIRE AND EXPLOSION HAZARDS: May release toxic vapors when subjected to fire conditions.
 COMMON EXTINGUISHING METHODS: Water spray, alcohol foam, carbon dioxide, dry chemical.
 FIRE FIGHTING PROCEDURES: Fire fighters should take standard precautions when fighting fires involving this product, including the use of SCBA.

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Clovite(R)
 USE: Used as a vitamin feed supplement for all species.
 SIZE: 5 lb. pail, 12 lb. pail, 25 lb. bag, 100 lb. drum
 SYNONYMS: None

2. COMPOSITION/INFORMATION ON INGREDIENTS (*Indicates active ingredient)

INGREDIENT NAME/ CAS NO.	SYNONYMS	CONCENTRATION
Soybean Meal/NA	NA	>50%
Vitamin A & D Oil/ 8001-69-2	Fish Oil	352 mcg/g
Vitamin E Supplement/ 58-95-7	Alpha-Tocopherol Acetate	NA
Vitamin B12 Supplement/ 68-19-9	NA	0.3 mcg/g

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS: No serious potential health effects are associated with this product. However, as with all vitamin supplements, ingestion of excessive quantities may cause toxic effects.

ACUTE EFFECTS:

INHALATION: None known.
 INGESTION: None known.
 SKIN: None known.
 EYE: May be mildly irritating to the eyes.
 TARGET ORGAN EFFECTS (SUBCHRONIC/CHRONIC): No effects known.

CARCINOGENIC EFFECTS: None known.
 REPRODUCTIVE/TERATOGENIC EFFECTS: None known.
 CARCINOGENICITY STATUS: This product is not known to be carcinogenic.
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

4. FIRST AID MEASURES

INHALATION: NA
 INGESTION: Although no adverse effects are expected from ingestion, medical advice should be sought, partially if ingested by children.
 SKIN: Wash affected area thoroughly with soap and water.
 EYE: Rinse eyes thoroughly with water for 15 minutes, holding eyelids apart with the fingers. Seek medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT: NA (Product is not considered to be combustible.)
 METHOD: NA
 AUTOIGNITION TEMPERATURE: Not established
 FLAMMABILITY LIMITS:
 LOWER LIMIT: NA
 UPPER LIMIT: NA

6. ACCIDENTAL RELEASE MEASURES

Collect material for future disposal.

7. HANDLING AND STORAGE

Store in a cool, dry place. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

INGREDIENT NAME	OSHA PEL/STEL	ACGIH TLV/STEL
No hazardous ingredients are used in the formulation of this product.		
NE = Not Established		

VENTILATION: No special ventilation provisions are considered necessary for normal use of this product.
 RESPIRATORY PROTECTION: Respiratory protection is not considered necessary for normal use of this product.
 PROTECTIVE GLOVES: Latex gloves recommended
 EYE PROTECTION: Safety glasses are recommended.
 OTHER: NA

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellowish powder with fish odor.
 MELTING POINT: NA
 BOILING POINT: NA
 SPECIFIC GRAVITY/DENSITY: Not established
 VAPOR DENSITY: NA
 VAPOR PRESSURE: NA
 SOLUBILITY:
 WATER: Insoluble
 OTHER SOLVENTS: Insoluble
 DECOMPOSITION TEMPERATURE: Not established
 VISCOSITY: NA
 pH: Not established

10. STABILITY AND REACTIVITY

STABILITY: This product is considered stable under normal circumstances.
 HAZARDOUS DECOMPOSITION PRODUCTS: May release toxic vapors when exposed to fire conditions.
 CONDITIONS TO AVOID: Avoid exposure to excessive heat.
 MATERIALS AND SUBSTANCES TO AVOID (INCOMPATIBILITY): None known

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11. TOXICOLOGICAL INFORMATION

ACUTE DATA: This product is considered to be non-hazardous. However, the toxicological properties of this product have not been thoroughly investigated.
 INHALATION: NA
 INGESTION: NA
 EYES: NA
 SKIN: NA
 TARGET ORGAN EFFECTS DATA (SUBCHRONIC/CHRONIC): None known
 CARCINOGENIC EFFECTS DATA: This product is not known to be carcinogenic.
 MUTAGENIC EFFECTS DATA: This product is not known to be mutagenic.
 REPRODUCTIVE/TERATOGENIC EFFECTS DATA: There are no reproductive or teratogenic effects associated with this product.

12. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT): This product is not classified as a hazardous material under U.S. DOT regulations.
 INTERNATIONAL TRANSPORTATION REGULATIONS: This product is not classified as a hazardous material under international transportation regulations.

13. REGULATORY INFORMATION

FEDERAL REGULATIONS: Waste product is not classified as a hazardous waste under U.S. EPA RCRA regulations.
 STATE REGULATIONS: NA

14. OTHER INFORMATION

HAZARD RATINGS

NFPA*:

HEALTH: 0
 FLAMMABILITY: 0
 REACTIVITY: 0
 SPECIAL HAZARDS: NA

HMS:

HEALTH: 0
 FLAMMABILITY: 0
 REACTIVITY: 0
 PERSONAL PROTECTION: NA

*A hazard rating has not been developed by NFPA for this product. NFPA-derived rating is based on NFPA hazard evaluation criteria.

PREPARATION AND REVISION INFORMATION: Fort Dodge Laboratories, Department of Safety

 The information and recommendations presented in this MSDS are based on sources believed to be accurate. However, Fort Dodge Laboratories, its Divisions and or Subsidiaries assumes no liability for the accuracy, completeness or suitability of this information. It is the product user's responsibility to determine the suitability of the information for their particular purposes.

The hazard ratings included in this MSDS have been developed on NFPA and HMIS criteria as well as professional judgement. This information is intended solely for the use of individuals trained in the these hazard rating systems. This product should only be used by or under the supervision of, a person trained and qualified to administer the product. Please refer to the package insert for indications or contraindications for use, and for dosage information.

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COMPAS Code: 19001500