



Material Safety Data Sheet

1. Product & Company Identification.

Product Identification: **ADM Vitamin E 405 Natural Source**

Manufacturer: Archer Daniels Midland Company
Animal Health & Nutrition.
1000 North 30th Street
Quincy, IL 62301
Telephone Number for Information: (877) 236-2460

2. Composition/Information on Ingredients.

Product Name: **ADM Vitamin E 405 Natural Source**
Product Code: **351890**
Product Class: Vitamin E Blend
Chemical Name: **dl – Alpha Tocopheryl Acetate**
CAS NO: Mixture
Description: Yellow micropearl solid – mild odor

3. Hazard Identification.

This product contains **Silicon Dioxide (CAS No. 112926-00-8)** at approximately 50%. Silicon Dioxide is considered an OSHA acute hazardous material as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 due to the fact that it may cause irritation to the eyes, skin and respiratory tract.
See Effects of Overexposure for more detail.

Exposure Limits for nuisance dusts:

ACGIH TLV/TWA 0.1 mg/m³ (respirable dust)
MSHA Standard/TWA 10 mg/m³ (respirable dust in air)
MSHA Standard/TWA 30 mg/m³ (total dust in air)

Effects of over exposure: May cause irritation to the skin and eyes. Dust generated by product may cause irritation of the nose and throat. Practically non-toxic by ingestion. Effects of chronic exposure not available.

HMIS Rating: Health – 1, Flammability – 0, Reactivity – 0

4. First Aid Measures.

Skin: Wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse. Get medical attention if skin irritation develops or persists.

Eyes: Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting eyelids. If pain or redness in eyes persists after flushing, obtain medical attention.

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Inhalation: If irritation, headache, nausea or drowsiness from inhalation occur, immediately remove personnel from contaminated area to fresh air. Obtain medical attention if there are signs of breathing difficulties.

Ingestion: If conscious and can swallow, give 2 glasses or 16oz water, but never give anything by mouth to an unconscious or convulsing person. Seek medical aid if necessary.

5. Fire Fighting.

Extinguishing Media: Non Combustible – Use extinguishing method suitable for surrounding a fire.

Decomposition: Burning or excessive heating may produce toxic levels of carbon monoxide, carbon dioxide.

Protective Equipment: Wear full protective clothing and positive pressure breathing apparatus.

6. Accidental Release Measures.

Personal Protection: Wear protective equipment during cleanup.

Environmental Precautions: Prevent material from entering waterways.

Spillage: Contain spill in an appropriate closed container by sweeping up material and avoiding the creation of dusty conditions.

Waste Disposal Methods: Do not flush. If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal.

Remove spillage to approved landfill according to federal, state or local regulations..

7. Handling and Storage.

Handling: Handle product to prevent contamination from any source.

Storage: Store product to prevent contamination from any source. Keep containers closed. Avoid temperature extremes during storage.

8. Exposure Controls/Personal Protection.

Personal Protection:

Respiratory Protection: Dust mask should be worn to prevent inhalation of dusts. When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance – with the appropriate regulatory standards and /or industrial recommendations.

Skin Protection: Skin contact should be minimized thorough the use of gloves and suitable long-sleeved clothing. Consideration must be given both to durability as well as permeation resistance

Eye Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

General Protection: Take a shower after work if general contact occurs. Remove soiled clothing and launder before reuse.

9. Physical and Chemical Properties.

Boiling Point: N/A

Flash Point 473°F or 245°C

Specific gravity: 0.94-0.96 at 25 C (77 F)

% Volatile (volume %): NA

Vapor Density (air=1): NA

Solubility in water: Insoluble

Appearance and Odor: Yellow colored micropearl solid – mild odor

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10. Stability and Reactivity.

Stability: Stable under normal conditions

Conditions to Avoid: None Known

Incompatibility: Chemical sanitizers

Hazardous Decomposition: None Known

Hazardous Polymerization: Will not occur

Materials/Chemicals to be Avoided: Chlorine Strong Oxidizing Agents

11. Toxicological Information.

No data available

12. Ecological Information.

No data available

13. Disposal Considerations.

This product, as supplied, when discarded or disposed of, will not be a hazardous waste according to U.S. federal regulations. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal and local regulations.

14. Transport Information.

U.S. DOT: Product ships as Non-Regulated

International Maritime Organization (IMO)/International Maritime Dangerous Goods Code (IMDG):

Not regulated by IMO or IMDG.

International Air Transport Association (IATA): Not regulated by IATA.

15. Regulatory Information.

United States

TSCA (Toxic Substance Control Act)

TSCA Status: All components are listed on the TSCA inventory.

SARA/TITLE III - List of extremely hazardous substances for emergency planning and notification (40 CFR 300 & 305): This product does not contain any ingredients listed as an extremely hazardous substance (EHS) for emergency planning under section 301-303 and for Emergency Release Notification under section 304.

SARA/TITLE III - List of toxic chemicals subject to release reporting (community right to know) (40 CFR 372): This product does not contain any ingredients listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

16. Other Information.

The information in this data sheet does not constitute any contractual warrant as to product properties and is based on the current state of knowledge. For all chemical emergencies, call Chem Trek at 01 703 527-3887.