



# MATERIAL SAFETY DATA SHEET

REF: 91/155/EEC AND AMENDMENTS WITH RESPECTIVE  
NATIONAL IMPLEMENTATIONS

## ADM STEROLS

### **1.0 SUBSTANCE IDENTIFICATION**

- 1.1 Commercial product name: Various forms of Plant Sterols
- 1.2 Chemical characterisation: Liquid forms of vitamin E at various concentrations
- 1.3 Formula: N/A
- 1.4 Molecular weight: N/A
- 1.5 CAS No:
- 1.6 EINECS No.:
- 1.7 FOR USE IN FOOD      Manufactured by: Archer Daniels Midland Company,  
4666 Faries Parkway, Decatur, Illinois 62526, U.S.A.
- 1.8 Supplied in Australia by: ADM Australia Pty Ltd, PO Box 281,  
Suite 1003, 1 Newland Street, Bondi Junction, NSW 2022  
Australian Emergency Tel. No. 02 9387 3355 BH    Tel No. (24 hrs) 0417 285396

### **2.0 COMPOSITION**

- 2.1 Sterols

### **3.0 HAZARDS IDENTIFICATION**

- 3.1 Sterols is not assessed as a hazard in accordance with 67/548/EEC and 1999/45/EC  
Product is a food ingredient.

### **4.0 FIRST AID MEASURES**

- 4.1 Slight irritation may occur if gotten in eyes - flush well with water and see a physician.
- 4.2 Not classified as a health hazard, as product is derived from soybeans; avoid if sensitive to soy products.

### **5.0 FIRE FIGHTING MEASURES**

- 5.1 Extinguishing media - Dry Chemical, Foam, CO<sub>2</sub>, fire-fighting powder, sand
- 5.2 No special equipment required for firefighters

### **6.0 ACCIDENTAL RELEASE MEASURES**

- 6.1 After spillage/leakage: Physically clean spill area, dispose of material, use absorbents if required.
- 6.2 Note higher risk of slipping

### **7.0 HANDLING AND STORAGE**

- 7.1 Store in well-closed containers in a cool, dry place. Maximum 35°C and 70% relative humidity.
- 7.2 Fire hazard when welding the empty container.



## **8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 Personal precautions: Avoid contact with eyes and skin
- 8.2 Respiratory protection: Not required
- 8.3 Eye protection: Goggles or safety glasses
- 8.4 Hand protection: Standard work gloves
- 8.5 Other: Skin protection required

## **9.0 PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 Appearance: Clear to Amber viscous fluid
- 9.2 Colour: clear to amber
- 9.3 Odour: slightly nutty
- 9.4 Change in physical state: N/A
- 9.5 Specific gravity: N/A
- 9.6 Vapour pressure: N/A
- 9.7 Viscosity: N/A – solid
- 9.8 Solubility – insoluble in water (25°C):
- 9.9 pH (25°C): 6.0 – 8.0
- 9.10 Flash point: >100°C
- 9.11 Explosive properties (dust only): NA
- 9.12 Flammability: NA
- 9.13 Thermal decomposition: NA

## **10.0 STABILITY AND REACTIVITY**

- 10.1 Shelf life: Minimum of 12 months when stored unopened in the original packaging at temperatures not exceeding 95°F (35°C); avoid excessive exposure to light and moisture.

## **11.0 TOXICOLOGICAL INFORMATION**

- 11.1 Not toxic. Substance is foodstuff

## **12.0 ECOLOGICAL INFORMATION**

- 12.1 Highly biodegradable

## **13.0 DISPOSAL CONSIDERATIONS**

- 13.1 Physically clean spill areas, use absorbents if required. Dispose of by composting or to an approved landfill, **depending upon local regulations..**

## **14.0 TRANSPORT INFORMATION**

- 14.1 No special considerations.



## **15.0 REGULATORY INFORMATION**

- 15.1 Sterols is an EU generally permitted Food Additive according to EC Directive 74/329/EEC and may be used *quantum satis*, unless otherwise stated. The US Food and Drug Administration classifies Plant Sterols as a GRAS (Generally Recognised As Safe) food ingredient under Title 21 CFR 184.1400.
- 15.2 Labeling of products using Sterol should be: plant species and sterol

## **16.0 ADDITIONAL INFORMATION**

- 16.1 See Product Data Sheet.
- 16.2 This Safety Data Sheet is based upon a limited review of ADM files and standard Toxicological handbooks.