



MATERIAL SAFETY DATA SHEET

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

BELKIN THERMOLEC AND CAPSULEC LECITHIN

1.0 SUBSTANCE IDENTIFICATION

- 1.1 Commercial product name: Belkin, Thermolec and Capsulec Lecithin
- 1.2 Chemical characterisation: Mixture of phospholipids, triglycerides and glycolipids
- 1.3 Formula: N/A
- 1.4 Molecular weight: N/A
- 1.5 CAS No: 8030-76-0
- 1.6 EINECS No.: 3101297
- 1.7 FOR USE IN FOOD (E 322) 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 Soybean Lecithin.

3.0 HAZARDS IDENTIFICATION

- 3.1 Lecithin 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, CO₂, fire-fighting powder, sand
- 5.2 **Do not use water as an extinguishing media** Thermal decomposition produces acrolein.
- 5.3 Fire-fighting water must be collected.
- 5.4 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: Yellow to Brown viscous fluid
- 9.2 Colour: Brown
- 9.3 Odour: Nutty
- 9.4 Change in physical state: N/A
- 9.5 Specific gravity: 1.03
- 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 – 7.0
- 9.10 Flash point: NA
- 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.
- 10.2 Reactivity: Hazardous decomposition prods: Thermal decomposition leads to formation of acrolein.

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 Soy Lecithin is an EU generally permitted Food Additive (E 322) according to EC Directive 74/329/EEC and may be used *quantum satis*, unless otherwise stated. The US Food and Drug Administration classifies Lecithin as a GRAS (Generally Recognised As Safe) food ingredient under Title 21 CFR 184.1400.
- 15.2 Labeling of products using Belkin Thermolec or Capsulec Lecithins should be: Lecithin

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.