

SAFETY DATA SHEET

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

NOVASOY® SOYA ISOFLAVONES CONCENTRATES

1.0 SUBSTANCE IDENTIFICATION

- 1.1 Commercial product name: Novasoy® 200, 400, 650, 700 and Novasoy® Special Grade
- 1.2 Chemical characterisation: 20%, 40%, 65% and 70% concentrates of soya isoflavones
- 1.3 CAS No: Mixture of many
- 1.4 **FOR USE IN FOOD**
- 1.5 Manufactured by: Archer Daniels Midland Company, 4666 Faries Parkway, Decatur, Illinois 62526, U.S.A.
- 1.6 Supplied in Europe by: ADM Natural Health & Nutrition, P. O. Box 2, 1540 AA Koog aan de Zaan, The Netherlands.
- 1.7 **NL Emergency Telephone Number: +31 75 64 64 646**
- 1.8 **U.K. Emergency Telephone Number: +44 151 420 9800**
- 1.9 **U.S. Emergency Telephone Number (24 hours): +1 217 424 5200**

2.0 COMPOSITION

- 2.1 Soya isoflavones genistin, daidzin and glycitin in the aglycone, glycoside, malonyl and acetyl forms, together with soya saponins and soya proteins.
- 2.2 No hazardous impurities.

3.0 HAZARDS IDENTIFICATION

- 3.1 **Novasoy® soya isoflavones are not classified as a Dangerous Substance within the definitions of EU Directive 67/548 and Amendments, with respective National implementations**
- 3.2 The dry powder may cause foreign body irritation in the eyes of some individuals.
- 3.3 Persons with an allergy to soya products should avoid all contact.

4.0 FIRST AID MEASURES

- 4.1 After contact with eyes, flush immediately with plenty of water for at least 15 minutes.
- 4.2 If dust is inhaled, keep the airway open and move immediately to fresh air and seek medical advice.
- 4.3 No special precautions needed by those giving First Aid.

5.0 FIRE FIGHTING MEASURES

- 5.1 Dry chemical, water mist or foam extinguishers may be used.
- 5.2 No special fire hazards are known.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 Recover dry product by vacuum or brush and shovel.

NOVASOY®

7.0 HANDLING AND STORAGE

- 7.1 Store in a cool, dry place (recommended below 25°C and less than 60% relative humidity). Keep packs closed.
- 7.2 Avoid the formation of dust and aerosols, and where necessary use mechanical dust extraction.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Respiratory protection: A dust mask is recommended if levels exceed 15 mg/m³.
- 8.2 Hand protection: Not normally necessary but standard work gloves recommended.
- 8.3 Eye protection: Safety glasses recommended.
- 8.4 Other: No special precautions necessary.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance: Tan or light-brown fine powder
- 9.2 Odour: Slight, characteristic
- 9.3 Boiling point: Not applicable
- 9.4 Freezing point: Not applicable
- 9.5 Bulk density (packed): Typically 0.35 g/ml
- 9.6 Vapour pressure: Not applicable
- 9.7 Solubility in water: Partially soluble

10.0 STABILITY AND REACTIVITY

- 10.1 Chemical stability: Novasoy® is stable if stored under cool, dry conditions.
- 10.2 Hazardous decomposition prods: Thermal decomposition may produce carbon monoxide and carbon dioxide.
- 10.3 Hazardous polymerization: Will not occur.
- 10.4 Incompatible with: Strong oxidising agents.

11.0 TOXICOLOGICAL INFORMATION

- 11.1 LD₅₀ (rat): > 3 g/kg

12.0 ECOLOGICAL INFORMATION

- 12.1 All Novasoy® soya isoflavone concentrates are biodegradable in waste treatment facilities when well diluted.

13.0 DISPOSAL CONSIDERATIONS

- 13.1 Dispose in landfill as non-hazardous solid waste.

14.0 TRANSPORT INFORMATION

- 14.1 No special requirements, and no restrictions on transportation by land, sea or air.

15.0 REGULATORY INFORMATION

- 15.1 In the USA, Novasoy® has GRAS status.

16.0 ADDITIONAL INFORMATION

- 16.1 See Product Data Sheet.