

Material data safety sheet

According to Regulation (EC) 1907/2006

1. PRODUCT AND MANUFACTURER

Product: AP301P Spray-Dried Porcine Haemoglobin (red Cells)
AP301GS Spray-dried granulated porcine blood cells (haemoglobin)
AP301B Spray-dried bovine blood cells (haemoglobin)
AP301 Spray-dried porcine and bovine blood cells (haemoglobin)

Manufacturer: APC Europe S.L.U.
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2. HAZARDS IDENTIFICATION

In normal use not know to be hazardous to health

3. COMPOSITION

Spray-dried blood cells (haemoglobin)

4. FIRST-AID MEASURES

AP301P / AP301GS: Possible allergen to those allergic to porcine products.

AP301B: Possible allergen to those allergic to bovine products.

AP301: Possible allergen to those allergic to porcine and bovine products.

Product inhaled: Seek fresh air and medical advise, if necessary.

Product on skin: Wash skin with soap and water. Obtain medical attention if irritation persists.

Product in eye: Immediately wash the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention if irritation persists.

Product ingested: Drink water.

5. FIRE FIGHTING MEASURES

Like most organic materials, dust of the product can be explosive if mixed with air in critical proportions.

The product should not be exposed to high temperatures for a long time.

Recommended extinguishing agent: In case of fire, use any fire extinguishing equipment based on water, CO₂, dry chemicals or similar.

Maintain normal good housekeeping.

6. ACCIDENTAL RELEASE MEASURES

Like most organic materials, dust of the product may be flammable under certain conditions, and may form explosive clouds. Care should be taken to prevent the formation of dust clouds in storage and avoid sources of ignition.

Flush away with water, detergent and disinfectant.

7. HANDLING AND STORAGE

Storage: clean and dry area; ambient temperature.

Handling: avoid extensive dust formation.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Minimize dust formation during handling to prevent inhalation or skin contact.

Occupational exposure limits: There are no limits of exposure to the ingredient.

Exposure controls: Ensure adequate ventilation.

Personal Protection: Optionally goggles and masks of powder for the manipulation can be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

AP301P / AP301GS / AP301B / AP301

Particle size max: 1,5 mm

Density: 400 - 500 kg/m³

Solubility: soluble in water

Minimum Ignition Energy: 430 mJ

Minimum Ignition Temperature: 630°C

Lower Explosion Limit: 30 g/m³

Maximum Explosion Pressure: 7,5 bar g

KSt: 140 bar.m/s

Explosion Class: St 1

Appearance and odour: Reddish/brown powder with meaty odour

10. STABILITY AND REACTIVITY INFORMATION

Under normal physical conditions of storage, handling and use, the product is stable.

11. TOXICOLOGICAL INFORMATION

AP301P / AP301GS: Possible allergen to those allergic to porcine products.

AP301B: Possible allergen to those allergic to bovine products.

AP301: Possible allergen to those allergic to porcine and bovine products.

Health effects: Not known to be hazardous to health.

Product inhaled: Like most other dust, it may cause irritation of the respiratory system.

Product on skin: May cause irritation.

Product in eye: May cause discomfort.

Product ingested: Not fit for human consumption.

12. ECOLOGICAL INFORMATION

Spray-dried blood cells (haemoglobin) are readily biodegraded in the environment.

13. DISPOSAL CONSIDERATIONS

Waste product to be disposed in accordance with local current laws and regulations.

14. TRANSPORT INFORMATION

No special precautions required.

Transport in clean and dry area; ambient temperature.

15. REGULATORY INFORMATION

Spray-dried blood cells (haemoglobin) are produced according to Regulation (EC) num 1069/2009 as Category 3 animal by-product and, therefore, are not fit for human consumption.

16. OTHER INFORMATION

Transport of Category 3 material is subject to approval of the haulier under Regulation 1069/2009

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