



*Note : The bacterial endotoxin test 2.6.14 prescribed in EP monography 1664 is problematic with Alhydrogel, since the phosphate residues of LPS (used as positive control and standard curve) bind unspecifically to Alhydrogel. This opinion is shared by the Danish Medicines Agency. We carry out the pyrogenicity test on the liquid phase of the product according to the EP 2.6.8 instead of the bacterial endotoxin test.*

### 3. Danger identification

**People** Harmless

### 4. First aid precautions

**Inhalation** Inhalation unlikely.  
**First aid:** Remove person from exposure area to fresh air

**Skin contact** May cause irritation, dryness and dermatitis.  
**First aid:** Wash affected areas with soap and large amounts of water for a minimum of 15-20 minutes. Seek medical attention if skin symptoms persist.

**Eye contact** May cause redness, irritation and conjunctivitis.  
**First aid:** Wash eyes immediately with large amounts of water for a minimum of 15-20 minutes. Remove contact lenses if relevant before rinsing. Seek medical attention.

**Ingestion** Ingestion of large amounts of aluminium hydroxide may cause gastrointestinal irritation with nausea, vomiting and constipation.  
**First aid:** Seek medical attention.

### 5. Fire and explosion data

**Fire fighting media** Non-combustible  
Remove material from area if possible. Extinguish using media appropriate for fire source.

## 6. Precautions in case of accidental leakage

<b>Spill procedures</b>	Spills should be collected, stored and disposed of in accordance with the environmental regulations of the local authorities.
<b>People</b>	Reference to section 13: Disposal Reference to section 8: Exposure control/personal protection equipment.

## 7. Handling and storage

<b>Handling</b>	According to good industrial hygiene.
<b>Storage</b>	Store in sealed packing. Do not expose to freezing.

## 8. Exposure control/personal protection equipment

### Technical precautions.

Contents	GV (ppm)	GV (mg/m <sup>3</sup> )	Anm.
Aluminium hydroxide as white gelatinous precipitate	-	10	-
	-	5	-

<b>Reference</b>	At-instruction C.0.1 October 2002 threshold limiting value for substances and materials.
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<b>Protective equipment</b>	Clothing: Appropriate protective clothing is recommended. Cloves: Appropriate protective gloves are recommended. Eye protection: Appropriate eye protection is recommended.
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## 9. Physical-chemical properties

<b>Description/smell</b>	White gelatinous precipitate in aqueous suspension /smell: neutral
<b>Mass density</b>	
<b>pH</b>	5.5 – 8.5

<b>Solubility</b>	Insoluble in water. Soluble in strong alkalines and acids.
<b>Molecular weight</b>	78.0 g/mol

## 10. Stability and reactivity

**Generally:** Stable by normal use. Decomposes at high temperatures (>200°C)

**Circumstances/  
Materials that should  
be avoided:** None established

## 11. Toxical information on (health damaging characteristics)

<b>Inhalation:</b>	Not likely
<b>Skin contact:</b>	frequent or long-term skin contact may cause dryness and irritation.
<b>Eye contact:</b>	May cause irritation of the eye and conjunctivitis.
<b>Ingestion:</b>	Ingestion of larger quantities may cause uneasiness.
<b>Long-term effects:</b>	None established
<b>Reference:</b>	EU directive 67/548/EEC: <b>R66</b>

## 12. Environmental information

<b>Generally:</b>	insoluble in water
<b>Degradability</b>	Not biodegradable (inorganic)

## 13. Disposal

**Waste/ leftovers/spill** Must be disposed of in accordance with the environmental regulations of the local authorities.

## 14. Transport information

**Status** Not classified as dangerous goods at transport  
Must be protected from freezing during transport  
A specific set of guidelines for transporters available upon request.

## 15. Information on adjustment

**Status:** Brenntag Biosector has concluded that the material is not affected by the rules for labelling issued by the Miljø- og Energiministeriet in Denmark.

## 16. Further information

**Scope of application:** The product is used as an Immunological adjuvant and for purification of certain serum components.