

**Material Safety Data Sheet, Valid 01/06/2009**  
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**Section 1. Chemical Identification**

**Catalog #:** H0301

**Name:** Turbitex®  $\alpha$ -1-Antitrypsin, Hitachi

**Section 2. Composition / Information on Ingredients**

All components contain preparations and are therefore not listed in CAS

Reagent R1: Tris [77-86-1] 100 mM pH 7,8  
PEG 6000 [25322-68-3] 4,5%  
NaCl [7647-14-5] 150 mM

Reagent R2: Polyclonal anti-human-  $\alpha$ -1-Antitrypsin (Goat)  
Tris [77-86-1] 80 mM pH 7.8  
NaCl [7647-14-5] 150 mM

**Section 3. Hazards Identification**

Avoid contact with eyes and inhalation.

**Section 4. First - Aid Measures**

Remove contaminated clothing and wash before reuse.  
In case of contact, immediately wash skin with soap and copious amounts of water.  
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.  
If inhaled, remove to fresh air.  
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Section 5. Fire Fighting Measures**

Water spray.  
Carbon Dioxide, dry chemical powder or appropriate foam.

**Section 6. Accidental Release Measures**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.  
Ventilate area and wash spill site after material pickup is complete.

**Section 7. Handling and Storage**

Refer to section 8

**Section 8. Exposure Controls /Personal Protection**

Wear chemical resistant gloves, safety, other protective clothing.  
 Safety shower, eye bath.  
 Mechanical exhaust required.  
 Do not breath dust.  
 Avoid contact with eyes, skin and clothing.  
 Avoid prolonged or repeated exposures.  
 Wash thoroughly after handling.  
 Keep tightly closed.  
 Store all components dry, refrigerated at +2 to +8°C.

**Section 9. Physical and Chemical Properties**

Appearance and odor  
 Reagent R1: clear liquid  
 Reagent R2: clear liquid

**Section 10. Stability and Reactivity****Section 11. Toxicological Information**

Toxicological data for the reagent mixture are not available. Toxicological data have not yet been thoroughly investigated.

**Section 12. Ecological Information**

Water pollution hazard rating: 1

**Section 13. Disposal Considerations**

Dissolve or mix the material with combustible solvent and burn in a chemical incinerator equipped with afterburner and scrubber.

**Section 14. Transport Information**

Is not affected by the current rules for transport of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO)

**Section 15. Regulatory Information**

European information:

Irritant

R 36/37/38 Irritant to eyes, respiratory system and skin

S 1/2 Keep under lock, out of reach of children

S 3 Keep refrigerated

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

36/37/39 Wear chemical resistant gloves, safety, other protective clothing.

S 44 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

**Section 16. Other Information**

The above mentioned information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Analyticon shall not be held liable for any damage resulting from handling or from contact with the above product.  
 Refer also to the general sales and shipping terms of Analyticon Biotechnologies AG.