

BioAim Scientific

Material Safety Data Sheet

Product Name: Human TNF-alpha ELISA Kit

Reviewed on 24 Dec 2015

1. Product and Company Information

- Product name: Human TNF-alpha ELISA Kit
- Catalog No. 3010014
- Components: Microplate, Standard, Antibody, HRP-streptavidin conjugate, Assay Diluent (contains ProClin 300), Wash Buffer Concentrate (contains ProClin 300), TMB, Stop Solution (contains Sulfuric acid).
- Application: For research use only.
- Manufacturer/Supplier:
Bioaim Scientific Inc
Unit 6, 27 Casebridge Court
Scarborough, ON M1B 4Y4
Canada
- Emergency phone number: 416-286-6868

2. Hazard Identification

- Hazardous Ingredients
Sulfuric acid, Proclin300
- Hazard Description
Sulfuric Acid Health = 3 Fire = 0 Reactivity = 2
Proclin300 Health = 1 Fire = 0 Reactivity = 0

3. First –aid Measures

- Eye Contact Irrigate with copious amounts of fresh water.
- Skin Contact Wash with clean water or soap and water.
- Inhalation Move to an outside area and breathe fresh air. Clear the nose by blowing.
- Ingestion Flush out the mouth with water and drink copious amounts of fresh water. Seek medical advice.

4. Fire Fighting Measures

- Extinguishing Media Water spray, carbon dioxide, dry chemical powder or appropriate foam. Prevent contact with skin and eyes.

5. Accidental Release Measures

- **Person-related safety precautions:** Use appropriate personal protective equipment to prevent contamination of skin, eyes and personal clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
- **Measures for environmental protection:** Keep away from drains.
- **Measures for containment and cleaning:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6. Handling and Storage

- **Precautions for safe handling:** Avoid inhalation of vapor or mist. Use normal measures for preventive fire protection.
- **Conditions for safe storage:** Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7. Exposure Controls and Personal Protection

- Control parameters: Contains no substances with occupational exposure limit values
- Appropriate engineering controls: Use with adequate ventilation including local extraction. Ensure that eyewash stations and safety

showers are close to the workstation location.

- Individual protection measures: Wash hands thoroughly after handling chemical products and before eating, smoking or using the toilet.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

- ❖ **Eye/face protection:** Wear approved safety goggles.
- ❖ **Skin/hand protection:** Handle with protective gloves, plastic or rubber. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- ❖ **Body protection:** Wear suitable protective clothing as protection against splashing or contamination.
- ❖ **Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.
- ❖ **Respiratory protection:** In case of inadequate ventilation, use a suitable respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8. Physical and Chemical Properties

Refer to component MSDS

9. Stability and Reactivity

Stable under normal handling procedures

10. Toxicological Information

The toxicology of this material has not been fully tested.

11. Ecological Information

Data not yet available

12. Disposal Considerations

- ❖ Disposal methods: Dispose of waste in accordance to applicable national, regional, or local regulations.
- ❖ Contaminated packaging: Dispose in the same manner as unused product.
- ❖ Special precautions: Dispose of small amounts of spilled material as described in section 6. Large spills must be dealt with separately by qualified disposal personnel. Avoid dispersal of spilt material to soil, waterways, drains and sewers.

13. Transport Information

- Not classified as dangerous in the meaning of transport regulations

14. Regulatory Information

- USA: SARA 311/312 Hazards Acute Health Hazard, Chronic Health Hazard
- Canada: WHMIS Hazards Acute Health Hazard, Chronic Health Hazard

15. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Bioaim Scientific Inc. shall not be held liable for any damage resulting from the handling or from contact with the above product.
