

## EMERGENCY # FOR NATIONAL RESPONSE CENTER (800) 424-8802

### SECTION 1. CHEMICAL IDENTIFICATION

Product Name: **Antigen-Down Assay Diluent**  
Catalog #(s): 523, 629, 630, 631, 674  
Synonyms: AD4  
CAS #: Not applicable to mixtures  
Chemical Formula: Not applicable to mixtures; trade secret formulation

### SECTION 2. HAZARDS IDENTIFICATION

AD4 contains a preservative that when concentrated is considered corrosive and irritating to eyes, skin, mucous membranes, and the upper respiratory tract. However, its concentration in this buffer is very low and it is not considered corrosive. AD4 also contains phosphate buffered saline (PBS) which is a slight irritant to eyes, skin, and respiratory system.

### SECTION 3. CHARACTERISTICS

AD4 is a clear light yellow liquid with a characteristic odor.  
Boiling point: 100°C / 212°F  
Vapor pressure (mm Hg): No data available.  
Vapor density: No data available.  
Solubility in water: Aqueous.  
Specific gravity: Not applicable.  
% Volatile by volume: Not applicable.  
Evaporation rate: No data available.  
pH: 7.2-7.6

### SECTION 4. STORAGE, HANDLING, STABILITY

AD4 is stable for over 18 months when stored at 2°C - 8°C. Hazardous polymerization will not occur. Avoid contact with oxidizing agents, reducing agents, amines, and mercaptans. It may produce carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, and hydrogen chloride gas upon decomposition. AD4 is considered non-hazardous for transport by DOT.

### SECTION 5. SAFETY CONTROL MEASURES

Gloves, eyewear, and standard laboratory protective clothing are recommended. Safe laboratory practices should be followed.

### SECTION 6. HEALTH HAZARD DATA

May enter the body through ingestion, eye, and skin contact. Slightly irritating to eyes, skin, mucous membranes, and the upper respiratory tract. May cause allergic reactions. The toxicological effects have not been thoroughly investigated.

### SECTION 7. FIRST AID MEASURES

Remove contaminated clothing and shoes, and wash before reuse.  
Skin: Wash skin thoroughly with soap and water.  
Eyes: Flush with water for at least 15 minutes.  
Ingestion: If conscious, give large amounts of water and seek medical attention.  
Inhalation: Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen.

### SECTION 8. FIRE/EXPLOSION HAZARD DATA

AD4 is neither a fire hazard nor an explosion hazard. Use any means suitable for extinguishing surrounding fire. It is not necessary to use any special firefighting procedures. Water spray, carbon dioxide, dry chemical powder or appropriate foam can all be used.

### SECTION 9. ACCIDENTAL RELEASE MEASURES

Wear protective clothing to guard against eye and skin contact. Wash all affected areas with large volumes of water, or a solution of 5% sodium bicarbonate and 5% sodium hypochlorite in water. Collect liquid and flush down the drain with copious amounts of water, or absorb with dry material appropriate for the surrounding materials and place in a regular waste container. Dispose of all waste in accordance with all national, state, and local regulations.