## MATERIAL SAFETY DATA SHEET

### IDENTIFIER / TRADENAME

**Aluminum Powder**  
**Patch Test Hapten**  
*(5ml in a polypropylene syringe)*

### SECTION I: GENERAL INFORMATION

**Product REF:** A-021  
**Manufacturer:** CHEMOTECHNIQUE DIAGNOSTICS AB  
**Address:** Modemgatan 9  
**City:** SE-235 39 Vellinge, SWEDEN

**Distributor:**

**Emerg/Info Phone:** +46 (0)40-46 60 77  
**Doc. Date/Rev:** 1 – MAY-2006 / 0

### SECTION II: INGREDIENTS / IDENTITY INFORMATION

**Ingredient:** Aluminum (powder)  
**CAS Number:** 7429-90-5  
**% by weight:** 100%

### SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS *

**Appearance:** Grey  
**Odor:** Odorless  
**Boiling Point:** 4221 °F / 2327 °C  
**Melting Point:** 1220 °F / 660 °C  
**Specific Gravity:** n/a  
**Vapor Density:** n/a  
**Vapor Pressure:** 1 mmHg at 1284 °C  
**Evaporation Rate:** n/a  
**Solubility in Water:** Insoluble  
* (Ref: JTBaker MSDS A2712)

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA†

**Flash Point:** n/a  
**Flammable Limits:** n/a  
**Extinguishing Media:** Dry powder  
**Special Fire Fighting Procedures:** Water ineffective. (see extinguishing media above)  
**Unusual Fire and Explosion Hazards:** Flammable Solid. Powder may form flammable or explosive mixture with air, especially when damp.  
† (Ref: JTBaker MSDS A2712)

### SECTION V: REACTIVITY DATA

**Incompatibility:**  
May react with strong oxidizing agents, mercury, halocarbons, halogens, water, acids, bases and many other materials

**Stability:**  
Stable under normal conditions of use

**Hazardous byproducts:**  
Toxic metal fumes may form when heated to decomposition

**Hazardous Polymerization:**  
Will not occur

### SECTION VI: HEALTH HAZARD DATA

**Route(s) of entry:**  
Inhalation: YES  
Skin / Ingestion: NO

**Health Hazards:**  
The objective of applying a hapten on the patient's skin is the diagnosis of contact allergies. Localized dermal allergic reaction may occur at test site.

**Carcinogenicity:**  
NTP / IARC Monographs / OSHA Regulated: n/a

**Signs and symptoms of exposure:**  
Difficulty breathing / Dermal irritation

**Medical conditions aggravated by exposure:**  
Dermatitis

**Emergency and First Aid Procedures:**  
Obtain medical attention

### SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps to be taken if material is released or spilled:**  
Clean spills in a manner that does not disperse powder into the air. Place in a closed container. Do not use water.

**Waste disposal method:**  
Comply with federal, state/provincial and local regulations.

**Precautions to be taken in handling and storage:**  
Store in a cool, dry place. Avoid extended exposure to sunlight. FOR EXTERNAL USE ONLY

### SECTION VIII: CONTROL MEASURES

**Respiratory Protection:**  
Face mask .

**Ventilation:**  
Local exhaust.

**Protective gloves:**  
Disposable gloves.

**Eye protection:**  
Safety goggles.

**Work/Hygienic Practices:**  
Wash hands after each use.